



**MOTOROLA**

S a t e l l i t e  
S E R I E S

TM

9520 MOBILE TELEPHONE  
USER'S GUIDE



**IRIDIUM**  
World Service

## 9520 MOBILE QUICK REFERENCE

### Quick Access Menu

\*Default settings shown

- ↑ Find Name
- 1 Check Signal
- 2 Call Voicemail
- 3 Mute Phone
- 4 Lock Now
- 5 Adjust Ring
- 6 Read Messages
- 7 Register Now
- 8 Forward On/Off

### Basic Operation

Turn the phone's power on/off:

Press and hold **○**.

Insert SIM Card:

1. Make sure the phone's power is turned off.
2. Insert card in hang-up cup SIM slot.



The blank side of the card should face forward with the gold chip pointing down.

Place a call:

Enter the phone number, and then press **OK**.

Answer a call: Press **OK**. End a call: Press **C**.

### Phone Book

Add a number to the phone book:

1. Enter the phone number and then press **M+**.
2. Press **◀** or **▶** to scroll to the desired memory type and then press **OK**.
3. Press **OK** to accept the number.
4. Enter a name, using **2-9 wwp** keys to enter letters and **◀** or **▶** to scroll between letters. Press **2-9 wwp** as many times as necessary to reach desired letter. When name is complete, press **OK**.
5. Enter a three-digit location number, and then press **OK** or press **OK** to store the entry in the next empty memory location.

Recall a number from the phone book:

1. Press **M+**.
2. Enter the three-digit location number of the entry, and then press **OK**.
3. Press **OK** to call the displayed entry.

Recall last ten numbers dialed:

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** to scroll to Last Ten Calls, and then press **OK**.
3. Press **MENU** to scroll to Last Calls Made and then press **OK**.
4. Press **MENU** to scroll to the number you are looking for.
5. Press **OK** to place a call to that number.

### Special Features

Adjust earpiece volume:

Press upper and lower volume keys on the side of the phone.

Adjust ringer volume:

Press **↑** and then the upper and lower volume keys on the side of the phone.

Clear the last digit in the display or exit a submenu:

Press **C**.

Clear the entire display or exit the menu system:

Press and hold **C**.

Unlock the phone:

Enter your 4-digit unlock code (supplied to you by your service provider).

Display your phone number:

Press **M** **#**.

# Welcome

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The future of global telecommunications is here—a satellite telephone, providing you with communication all over the world.

The company that brought you the world's first commercially available cellular phone has done it again! Motorola proudly introduces its Satellite Series 9520 Mobile Phone for the Iridium® system.

All Motorola wireless phones are designed and manufactured to meet Motorola's exacting specifications and world-class quality standards. During development, our laboratory testing team took the durable phone through rigorous durability tests including temperature, humidity, shock, dust, vibration, and drop tests—and it still worked! We are confident that the phone you purchased meets your own exacting standards.

Thank you for choosing Motorola, a global leader in communications technology.

Enjoy your new Satellite Series 9520 Mobile Phone!



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# **Safety Information**

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**Important:** Read this information before using your wireless mobile phone.

## ***Exposure to Radio Frequency Signals***

Your wireless mobile telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

International agencies have set standards and recommendations for the protection of public exposure to RF electromagnetic energy.

- International Commission on Non-Ionizing Radiation Protection (ICNIRP)1996
- Verband Deutscher Elektrotechniker (VDE) DIN-0848
- United States Federal Commission, Radio Frequency Exposure Guidelines (1996)
- National Radiological Protection Board of the United Kingdom, GS 11,1988
- American National Standards Institute (ANSI) IEEE. C95. 1-1992
- National Council on Radiation Protection and Measurements (NCRP). Report 86
- Department of Health and Welfare Canada. Safety Code 6

These standards are based on extensive scientific review. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the updated ANSI standard.

The design of your phone complies with these standards when used as described under "Phone Operation."

## ***Antenna Care***

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate local agency regulations.

## ***Phone Operation***

Do not operate your mobile telephone when a person is within 4 inches (10 centimeters) of the antenna.

A person or object within 4 inches (10 centimeters) of the antenna could impair call quality and may cause the phone to operate at a higher power level than necessary and expose that person to RF energy in excess of that established by the FCC RF Exposure Guidelines.

## ***Driving***

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Observe the following guidelines when using your phone while driving.

- Give full attention to driving—driving safely is your first responsibility.
- Use hands-free phone operation, if available.
- Pull off the road and park before making or answering a call if driving conditions so require.

## ***Electronic Devices***

Most modern electronic equipment is shielded from RF signals. However, certain equipment may not be shielded against the RF signals from your wireless phone.

## ***Pacemakers***

The Health Industry Manufacturers Association recommends that a minimum separation of six inches (6") be maintained between a wireless phone's antenna and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should ALWAYS keep the phone more than six inches from their pacemaker when the phone is turned ON
- should turn the phone OFF immediately if you have any reason to suspect that interference is taking place

## ***Other Medical Devices***

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

## ***Vehicles***

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

## ***Posted Facilities***

Turn your phone OFF in any facility where posted notices so require.

## ***Blasting Areas***

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "Turn off two-way radio." Obey all signs and instructions.

## ***Potentially Explosive Atmospheres***

Turn your phone OFF and do not remove your battery when you are in any area with a potentially explosive atmosphere. Obey all signs and instructions. Sparks from your battery in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include, but are not limited to: fueling areas such as gasoline stations; below deck on boats; fuel or chemical transfer or storage facilities; areas where fuel odors are present (for example, if a gas/propane leak occurs in a car or home); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you normally would be advised to turn off your vehicle engine.

## ***For Vehicles Equipped with an Air Bag***

An air bag inflates with great force. Do NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

# ***Overview***

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This chapter provides an overview of your new satellite phone.

## ***What You Will Learn***

- overview of the user guide
- overview of the satellite phone
- overview of original Satellite Series accessories

# **Guide Overview**

As you explore your 9520 Mobile Phone, use this guide to see what key to press and what happens when you press it. Here is what you will learn in each chapter:

<b>Chapter</b>	<b>Description</b>
Using Your Phone	How do you make your first phone call? This question and many others are answered in this chapter. See "Using Your Phone" on page 19 for more information.
Using the Menus	This chapter teaches you how to navigate the menu system. See "Using the Menus" on page 43 for more information.
Managing the Phone Book	See "Managing the Phone Book" on page 49 to learn how to make the most of your phone's built-in Phone Book.
Using Calling Features	If you subscribe to Call Barring or Call Forwarding, see "Using Calling Features" on page 73 to learn how to use these network features and more.
Using Messaging Services	Did you know that you can be notified of voicemail or receive numeric and text messages through your Personal Mailbox? See "Using Message Services" on page 87 for more information.
Customizing Phone Features	See "Customizing Phone Features" on page 97 to learn how to customize your phone's features.
Accessing the Network	See "Accessing the Network" on page 115 to learn how to register with the satellite network.
Timing Your Calls	View the time of your last call or set your phone to remind you after you have been talking for a certain period of time. See "Timing Your Calls" on page 119 for more information.

Chapter	Description
Setting Up Your Accessories	See "Setting Up Your Accessories" on page 129 to learn how to use features that make driving a little easier.
Customizing the Menu System	Once you are familiar with the features in your menus, you can customize the menus to more closely fit your needs. See "Customizing the Menu System" on page 137 for more information.

## ***Understanding the Guide***

### ***Key Presses***

Key presses are represented in this guide using symbols so that you may locate and use the required sequence quickly. A sequence of key presses may be shown as follows:



This means you should press **MENU** followed by **OK** and then **C**, in sequence, not simultaneously.

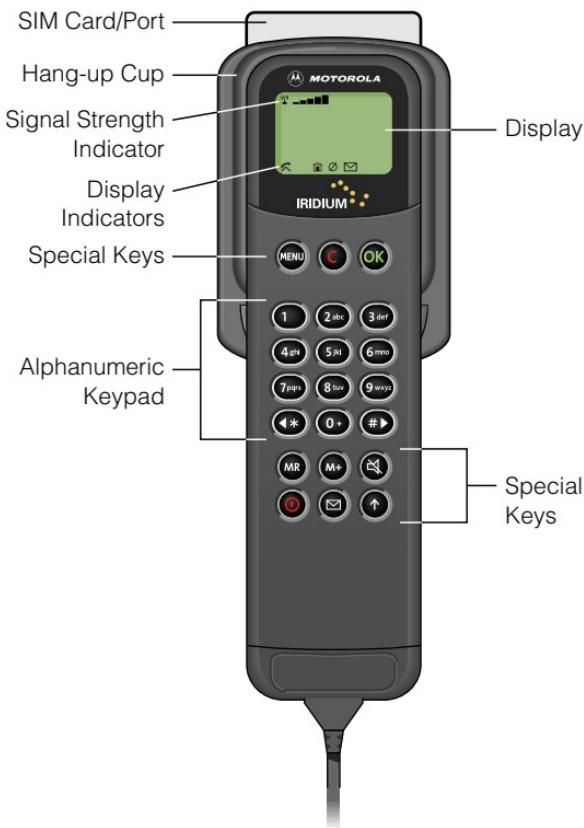
### ***Prompts and Messages***

Your phone responds to key presses by displaying either a prompt that guides you to the next action or a message confirming that your action is complete. Prompts and messages are represented in this guide in LCD style, for example: Enter PIN or Completed.

### ***Tips***

In the margins of your guide are useful hints and ways to improve your phone's performance.

# Phone Overview



## Volume Keys

The Volume keys are on the side of the phone. They adjust earpiece and ringer volume. See “Adjusting Earpiece Volume” on page 34 for more information.

## SIM Card Port

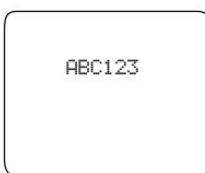
The SIM card is inserted in the slot in your hang-up cup. When inserting the SIM card, the back (or blank) side of the card should be facing you. The gold plate should be facing down. Insert the end with the gold plate first.

## ***Special Keys***

Key	Function
○	Turns the phone's power on and off
OK	Selects menu settings or options, or initiates and answers calls
✉	Calls voicemail and displays messages
M+	Stores numbers in the phone book
MR	Recalls numbers from the phone book
↑	Enters the Quick Access menu
MENU	Enters the Options menu and scrolls forward through menu features
C	Clears characters from the screen or exits the Options menu
🔇	Mutes the handset when you are in a call
◀* or #▶	Scrolls through the menu features

## ***The Display***

Your phone's Liquid Crystal Display (LCD) displays as many as four rows of 16 characters.



The LCD on your phone may respond slowly to key presses in extremely cold temperatures. This is normal and does not affect the phone operation in any way.

## Display Indicators

Indicator	Description
	<b>Signal Strength Indicator</b> indicates the strength of the signal from the network. The more segments displayed in the bar graph, the stronger the signal. You can check the strength of the signal at any time through the menu. See “Showing Signal Strength” on page 81 for additional information.
	<b>Message Indicator</b> appears when you receive a new message. It flashes when the SIM card is full. See “Accessing Messages” on page 94 for additional information.
	<b>Home System Indicator</b> appears when the phone has successfully registered with the Iridium satellite system.
	<b>No Service Indicator</b> appears when your phone is not capable of placing or receiving calls.
	<b>In Use Indicator</b> appears when a call is in progress.
	<b>ScrollIndicator</b> appears on the right of the display when you are in a menu. The button on the scroll bar indicates where you are in the list.
	<b>Check Mark</b> indicates a menu item is currently selected.
	<b>Quick Access Menu Icons</b> allow you to easily identify Quick Access features as you scroll through the Quick Access menu.

## **Original Satellite Series Accessories**

Product appearance and specifications are subject to change without notice.



**Note:** For maximum performance use only Motorola original accessories.

### **Mobile Magnetic or Mobile Permanent Mount Antenna**

These antennas deliver exceptional reception performance and offer dual mounting options.

- Use either magnetic mount or permanent mount option
- Attaches to Motorola Satellite Series 9520 Mobile Phone, 9500 Portable Phone, or 9570 Portable Dock for in-vehicle communication
- Attached 5-meter cable



### **Fixed Mast Antenna**

This antenna attaches to the Motorola Satellite Series 9520 Mobile Phone to deliver exceptional reception performance in a marine environment.

- Marine rated with mast mount capability
- Attached 10-meter cable





# ***Using Your Phone***

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Read this section to learn how to get up and running with your new satellite phone.

## ***What You Will Learn***

- what is a SIM card?
- inserting your SIM card
- turning the phone's power on and off
- placing and receiving calls
- using hands-free features
- determining your own phone number

## **What Is a SIM Card?**

Your SIM card (Subscriber Identity Module) contains your phone's number, service details, and memory for storing Phone Book entries and messages. This means you can use your SIM card with any phone for the GSM system or any Motorola product for the Iridium satellite system, and all calls go on your account.

**Note:** Your phone has limited functionality without the SIM card.

### **GSM SIM Card Capability**

If you already have a GSM SIM card and your service provider has a roaming agreement with the Iridium satellite system, you can use it in your satellite telephone.

**Note:** If you are using a GSM SIM card, you may not have access to certain features that are specific to the Iridium satellite system, and vice versa.

### **SIM Card Protection**

Keep your SIM card in your wallet or purse when you are not using it. This helps keep your personal information secure and gives you access to your service even if your phone is not available.

**Caution:** Avoid bending, scratching, or exposing your card to static electricity, water, or dirt.

## **Installing the SIM Card**

Make sure your phone is powered off before inserting or removing the SIM card. If you don't, you may damage the memory on your SIM card.

### **Insert the SIM Card**

- 1. Turn your phone off** by pressing and holding the  key.
- 2. Make sure that the gold plate on the SIM card faces down and away from you, and then **insert the SIM card** into the slot in the hang-up cup as far as it will go.**



**Tip:** Hold the SIM card so that the back (or blank) side of the card is facing you. The gold plate should be facing down. Insert the end with the gold plate first.

### **Remove the SIM Card**

- 1. Turn your phone off** by pressing and holding the  key.
- 2. Pull the SIM card** out of the slot in the hang-up cup.

# **Powering Up the Phone**

## **Turn the Power On and Off**

To turn your phone's power on:

- 1. Insert your SIM card.** (See “Installing the SIM Card” on page 21.)
- 2. Press and hold ** to turn the phone on and off.

When you turn your phone's power on, it performs a self test to let you know it is operational. You may see a number of other power-on messages (see below).

When the  (no service) indicator disappears and the  (home system) indicator appears, you are ready to start calling.

## **Power-On Messages**

Once your phone is powered on, you may see:

Message	Description
Searching...	The phone is attempting to establish communications with the satellite network. See “Accessing the Network” on page 115 for more information.
Registering...	Your phone is registering with the network. When the process is complete, you will see Registered. See “Accessing the Network” on page 115 for more information.
Enter Phone Unlock Code	Your phone was locked after the last use. Enter your four-digit unlock code and press  to proceed. See “Locking and Unlocking Your Phone” on page 103 for more information.

<b>Message</b>	<b>Description</b>
Enter PIN	Enter the four- to eight-digit SIM card PIN code provided by your service provider and press <b>OK</b> to proceed. See “Protecting the SIM Card” on page 105 for more information.
Insert Card	Power off your phone; make sure your SIM card is inserted completely; and then power your phone on again.
Check Card	This message indicates that the SIM card is damaged or inserted the wrong way.
Blocked	If the SIM card PIN code is incorrectly entered three times in a row, your phone becomes blocked. See “Unblock the PIN Code” on page 106 for instructions on how to unblock it.
 Blocked	If the SIM card PIN2 code is incorrectly entered three times in a row, your phone becomes blocked. See “Unblock the PIN2 Code” on page 108 for instructions on how to unblock it.
Bad Card See Supplier	Your SIM card has been damaged or incorrectly issued. Contact your service provider for information.

# **Placing a Call**

To place a call, your phone must be powered on, have a SIM card inserted, be unlocked, and be in contact with the satellite network. See “Accessing the Network” on page 115 for network information.

## **Dial a Number**

- 1. Enter the number** using the digit keys. As you begin entering digits, you will see **Call1?**.

You must enter the phone number in international format: [international access code, 00, or +] [country code or Iridium country code] [phone number]

**Note:** If you are calling another Iridium satellite subscriber, use the Iridium code instead of the country code.

If you make a mistake, press **C** once to delete the last digit, or press and hold **C** to clear all digits.

- 2. Press **OK**.** You will see **Calling** followed by the number you dialed.

You will see either the flashing message **Calling** or the flashing messages **Calling, Registering...,** and the phone will play a series of setup tones.

If the call connects and is answered, **Connected** appears on the display for a few seconds, followed by **End Call1?**. If the call does not connect, you may see one of the following messages:

<b>Message</b>	<b>Description</b>
Call Failed System Busy Weak Signal	The phone is unable to access the network. Try again in a few minutes.
Restricted Area	You are in an area where you cannot make a call.
Redial?	See “Automatic Redial” on page 25.

## ***Make a Hands-free Call***

Refer to “Using Hands-free Features” on page 32.

## ***Automatic Redial***

If the number or your network is busy, you will see Redial? for five seconds.

**Press  to redial the number automatically.**

**Note:** The maximum number of redial attempts is set by your service provider. If the call cannot be connected within this maximum, you will see the message Redial Failed.

## ***Redial Last Number Called***

Whenever your phone is on standby, you can redial the last number called:

- 1. Press  to display the last number dialed.**
- 2. Press  again to place the call.**

## ***Dial Special Characters***

You can insert special characters in your numbers:

To enter...	Then...
0	<b>Press  0+ .</b>
*	<b>Press  * .</b>
+ (for international calls)	<b>Press and hold  0+ .</b>
□ (for pause dialing)	<b>Press and hold  * .</b>
supplementary service numbers, PINs, and unblocking	<b>Press  #   * .</b>

## ***International Dialing***

To make an international phone call:

**1. Press and hold  .**

After a few seconds the international dialing prefix + appears in the display. This allows you to call from any country without knowing the local international access code.

**2. Enter the country code** followed by the phone number. The country code follows the conventional format.

## ***Dial a Number With Pauses***

Refer to “Using Pauses in Numbers” on page 58 for information on dialing numbers with pauses.

## ***Dial a Number from the Phone Book***

Your phone contains a phone book that you can use to store names and telephone numbers. Once you have stored information in your phone book, you can save dialing steps by using:

- one-touch dialing
- an entry from a location
- an entry of a name
- one of the last ten numbers called

Refer to “Managing the Phone Book” on page 49.

## ***Make an Emergency Call***

You can make an emergency call virtually anywhere in the world (without unlocking your phone) by dialing 112. Provided your phone has found a network, you are able to make an emergency call. The emergency call is directed to a central emergency operator.

To make an emergency call:

**Dial 1 1 2<sup>abc</sup>.**

You will see the message **Emergency Calling.**

In addition, your Iridium service provider may have provided an additional emergency calling code on your SIM card. Check with your service provider.

## ***Call a Number in a Message***

Details on how to call a number embedded in a message are described in the “Using Message Services” section on page 96.

## ***Ending a Call***

To end a call, perform one of the following tasks:

- Press **OK**.
- Replace the handset in the hang-up cup.
- Press **C**.

## **What's My SIM Card Phone Number?**

You can retrieve and display your phone's number from your SIM card.

- 1. Press**  until you see Phone Book, and then **press**  to select.
- 2. Press**  until you see My Phone Number(s), and then **press**  to select. You will see your phone number.
- 3. Press and hold**  to exit the menu.

**Note:** If you do not see your number(s), they have not been programmed onto your SIM card. Contact your service provider for more information.

**Tip:** Pressing   also brings up your phone's number.

# **Receiving a Call**

## **Receive a Phone Call**

To receive a call, your phone must be powered on, have a SIM card inserted, be unlocked, and be in contact with the satellite network. See “Accessing the Network” on page 115 for network information.

When you receive a call:

- Your phone rings.
- The phone displays **Call**, followed by **Answer?** on the next line.

To answer the call:

**Remove the handset** from the hang-up cup by pressing in the release buttons. You will see **Connected**.

If the call does not connect properly, you may see **Call Failed**. This indicates that the network signal is not strong enough.



Release Buttons

**or**

**Press **OK** or any digit key (1-9<sub>wxyz</sub>, **\*** or **#>**).** You will be in hands-free operation. Direct your conversation to the microphone.

**or**

**Activate the Automatic Answer feature** to have the phone automatically answer incoming calls after two rings. See “Automatic Answer” on page 133.

## ***Unanswered Calls***

If you are away from your phone or choose not to answer a call, your phone displays the message Unanswered Call.

## ***Personal Mailbox***

Callers who are unable to reach you can leave numeric, text, and voice messages. The next time you register with the satellite network, you will receive these messages. Then you will have the option of returning the call or saving the message for later viewing.

For information on retrieving messages, see "Accessing Messages" on page 94.

# **Using Hands-free Features**

## **Place a Hands-free Call**

To place a hands-free call:

- 1. Leave the handset** in the hang-up cup.
- 2. Dial the number** on the handset that you want to call. As soon as you begin entering digits, you will see Call?.
- 3. Press **OK**.** You will see Calling followed by the number you dialed.

When the called party answers, direct your conversation to the hands-free microphone, typically mounted on the visor.

**or**

**Pick up the handset** for private conversation.

## **Receive a Hands-free Call**

- 1. Leave the handset** in the hang-up cup and **press **OK** or any digit key (1-9<sup>wxyz</sup>, **\*  
#**)**. You will see Connected.
- 2. Direct your conversation** to the hands-free microphone.

**or**

**Pick up the handset** for private conversation.

## **Change from Handset Operation to Hands-free Operation**

If you are in a conversation and the handset is off the hang-up cup and you want to switch to hands-free operation, follow these instructions:

- 1. Press**  to mute the phone.
- 2. Return the handset** to the hang-up cup.

You are now in hands-free operation. Direct your conversation to the microphone.

**or**

- 1. Press**  until you see Turn Mute on or off.
- 2. Press**  to select. You will see Mute.
- 3. Return the handset** to the hang-up cup.

You are now in hands-free operation. Direct your conversation to the microphone.

**Caution:** If you return the handset to the hang-up cup without muting it first, your call will be ended.

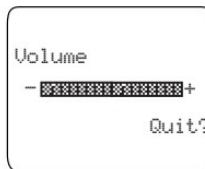
## **Adjusting Earpiece Volume**

**Tip:** *The volume keys are located on the side of the phone.*

To adjust earpiece volume:

- **Increase the volume** by pressing the upper volume key.
- **Decrease the volume** by pressing the lower volume key.

As you press the keys, the phone's speaker demonstrates the new volume level. The bar graph in the display represents the volume level. The higher the graph, the louder the volume.



## **Adjusting Ringer Volume**

Use this feature to adjust the volume of the ringer. The phone sounds the new volume level as you adjust it.

To adjust the ringer volume:

- 1. Press**  **until you see Phone Setup, and then press** .
- 2. Press**  **until you see Adjust Ring Volume, and then press**  **to select.**
- 3. Increase the volume** by pressing the upper volume key.  
**or**  
**Decrease the volume** by pressing the lower volume key.
- 4. Press and hold**  **to exit the menu.**

**Tip:** You can also press  and then the up or down volume key to adjust ringer volume.



# ***Using In-Call Features***

---

Read this section to learn how to use In-Call menu features. The In-Call menu is displayed when you press  during a call. See “Using The In-Call Menu” on page 48 for more information.

## ***What You Will Learn***

- using call waiting
- using call holding
- using call muting

## **Muting a Call**

For privacy during a call, try muting the phone. You hear the party on the other end, but the other party does not hear you.

While in a call:

- 1. Press** .

**or**

**Press**  until you see Turn Mute on or off.

- 2. Press**  to select. You will see Mute.

To unmute a call:

- 1. Press**  again.

**or**

**Press**  until you see Turn Mute on or off.

- 2. Press**  to select.

## **Using Call Waiting**

You must subscribe to this network feature through your service provider(s).

If you have subscribed to Call Waiting, you must first activate it through the Options menu (see "Activating Call Waiting" on page 83). After you activate it, you are notified of incoming calls while you are on the line in two ways. When a call comes in, you hear a beep and see the message **Call Waiting** followed by **Answer?**.

<b>If you want to...</b>	<b>Then...</b>
accept the waiting call	<b>Press <b>OK</b>.</b> Your current call is placed on hold.
reject the waiting call	<b>Press <b>C</b>.</b>
end current call before answering the waiting call	<b>1. Press <b>MENU</b>.</b> You will see <b>End Active Call</b> <b>2. Press <b>OK</b>.</b> Your phone rings and can now be answered normally.

You may see one of the following messages during call waiting activities:

<b>Message</b>	<b>Description</b>
Trying	Your phone is attempting to switch between the current and held call.
Hold Failed	The attempt to hold a call was unsuccessful.
Cannot Hold Second Call	A call is already on hold. You can only place one call on hold.
Reconnect Failed	The held call could not be made active again.
Busy Try Later	Your phone is working on a previous command. Wait a short time before repeating the new command.

## **Placing a Call on Hold**

You must subscribe to this network feature through your service provider(s).

You can place a call on hold to receive a new call or while making a new call. You can only place one call on hold at a time, so some options may not be accessible if you have already placed a call on hold.

To place a call on hold:

- 1. Press**  until you see Hold Call.
- 2. Press**  . Your current call is put on hold and you will see Call Holding followed by Reconnect?.

Once your call is on hold, you have these options:

If you want to...	Then...
make a new call	<b>1. Press</b>  until you see Make New Call, and then <b>press</b>  to select. <b>2. Dial the number</b> as usual, and then <b>press</b>  to place the call.
switch between calls	When you are connected to either number, you will see 2 Calls followed by Switch?. <b>Press</b>  to switch to the other call and automatically place the current call on hold.
end both calls	<b>Press</b>  until you see End Active & Held Call, and then <b>press</b>  to select. Both calls are disconnected, and the display returns to standby.
end current call	<b>Press</b>  at any time.

If you want to...	Then...
end call that is on hold	<p><b>Press</b>  until you see End Held Call, and then <b>press</b>  to select.</p> <p>The held call is disconnected, the current call remains connected, and you see End Call?.</p>

You may see one of the following messages:

Message	Description
Trying	Your phone is attempting to switch between the current and held call.
Hold Failed	The attempt to hold a call was unsuccessful.
Cannot Hold Second Call	A call is already on hold. You can only place one call on hold.
Reconnect Failed	The held call could not be made active again.
Busy Try Later	Your phone is working on a previous command. Wait a short time before repeating the new command.



# **Using the Menus**

---

Many of your phone's features are organized into lists of options called *menus*. There are three menus: the Options menu, the Quick Access menu, and the In-Call menu. Some of these options give you access to additional lists of options called *submenus*.

Learn how to navigate through your phone's three main menus. Once you become familiar with these menus and their features, go to "Customizing the Menu System" on page 137 for instructions on how you can personalize your menus.

## **What You Will Learn**

- using the Options menu
- using the Quick Access menu
- using the In-Call menu

# **Using the Options Menus**

The Options menu gives you access to the features and options included with your phone.

## **Navigate the Options Menus**

Learning how to use just a few keys enables you to move freely through the entire menu system.

If you want to...	Then...
enter the Options menu	<b>Press</b> to access the Options menu. You will see the first available submenu.
scroll through the Options menu	<ul style="list-style-type: none"><li>• <b>Press</b>  to scroll forward.</li><li>• <b>Press</b>  or  to scroll backward or forward.</li></ul>
select options and submenus	<b>Press</b> to select a menu option or submenu when that option or submenu name is displayed.
exit features and menus	<ul style="list-style-type: none"><li>• <b>Press</b>  to exit the feature or submenu.</li><li>• <b>Press and hold</b>  to exit the Options menu.</li></ul>

**Note:** If you press during a call, you will see the In-Call menu which is described on page 48.

## **How the Phone Responds**

As you scroll through the Options menu, you will see one of three questions on the bottom line of the display.

If your phone asks...	Then...
View Options?	<b>Press</b> to enter the submenu.
Select?	<b>Press</b> to select the displayed feature.
Quit?	<b>Press</b> to exit the feature.

## ***Display Messages and Icons***

<b>If you see...</b>	<b>Then...</b>
Completed	This indicates a feature has been activated.
Failed	The display returns to the menu in a few seconds.
Enter PIN or Enter Name	Enter requested information. Then press <b>OK</b> .
Busy Try Later	You may have requested information while your phone was completing another task.
↓	This indicates where you are in a menu.
☰	Your phone may take a few seconds to request settings from the network.

## ***Customize the Options Menu***

To personalize the Options menu—to hide and move features—see “Move Menu Features” on page 138.

# **Using the Quick Access Menu**

The Quick Access menu is a way to keep your favorite menu options readily accessible. Each digit key, 1 to 9, has a Quick Access feature assigned to it. See the chart on page 47 for the default setup.

If you know the number of the feature, activating that option takes only two button pushes! If you do not know the number or want to review your options, just scroll through the icon menu and read the tag attached to each option.

## **Activate the Feature Directly**

To access the feature directly:

**Press**  , and then **press** the digit key of the feature.

## **Scroll to the Feature**

To scroll to the feature:

**1. Press** .

**2. Press**  to scroll through the available features.

**or**

**Press**  or  to scroll backward and forward.

**3. Press**  to select a feature.

## **Default Quick Access Settings**

The following features (and associated icons) are the default settings for the Quick Access menu.

<b>Key</b>	<b>Icon</b>	<b>Quick Access Feature</b>
1		<b>Find Name</b> searches your Phone Book by the full name.
2 <sup>abc</sup>		<b>Check Signal</b> checks the strength of the signal from the satellite network.
3 <sup>def</sup>		<b>Call Voicemail</b> calls your Voicemail number to check your Voicemail.
4 <sup>ghi</sup>		<b>Mute Phone</b> mutes the phone.
5 <sup>jkl</sup>		<b>Lock Now</b> locks your phone immediately.
6 <sup>mno</sup>		<b>Adjust Ring</b> displays and sets the incoming call ring tone volume.
7 <sup>pqr</sup>		<b>Read Messages</b> displays the newest message received
8 <sup>tuv</sup>		<b>Register Now</b> initiates a systematic manual search for a network on which to register. You must wait three minutes between registration attempts.
9 <sup>wxyz</sup>		<b>Forward On/Off</b> activates or deactivates unconditional call forwarding depending on the current setting.

## **Customize the Quick Access Menu**

See “Personalizing the Quick Access Menu” on page 140 for instructions on how to customize the menu.

# ***Using The In-Call Menu***

This menu lets you access specific features while you are in a call. Because this menu is not available until you are actually in a call, you cannot review it off-line.

## ***Entering the In-Call Menu***

While you are in a call:

**Press**  to view the In-Call menu features.

## ***In-Call Menu Features***

The In-Call menu dynamically changes depending on the type of call you are in.

single active call	Hold Call Make New Call Turn Mute on or off
held call	Make New Call End Active Call
active call and a call waiting	End Active Call Reject Call Waiting Turn Mute on or off
active call and a held call	End Active Call Turn Mute on or off End Held Call End Active & Held Call
held call and a call waiting	Reconnect Held Call Reject Call Waiting End Held Call?

# ***Managing the Phone Book***

---

Your satellite phone can store up to 100 names and numbers, and your SIM card expands memory capacity even more.

Use the dedicated keys or the Options menu to access the same functions. With the Options menu you can also access Phone Book maintenance and security features.

## ***What You Will Learn***

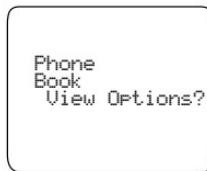
- recalling and storing phone numbers
- organizing the Phone Book
- accessing automated calling systems
- storing phone number prefixes
- restricting calls with fixed dialing
- editing the memory information
- viewing your own phone number

## **Entering the Phone Book Menu**

To enter the Phone Book menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.

**or**
- Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.

**or**
- Press**  or  to scroll backward or forward through the submenu.

# **What's on the Phone Book Menu?**

- Phone Book
  - Personal Numbers
  - Find Entry By Name
    - Enter Name:
      - Call Number
      - Modify Name Or Number
      - Erase Name And Number
  - Find Entry By Location
    - Enter Location:
      - Call Number
      - Modify Name Or Number
      - Erase Name And Number
  - Add Entry
    - Add To Phone Memory
    - Add To SIM Card Memory
  - Check Capacity
    - Check Phone Capacity
    - Check SIM Capacity
  - Prevent Access
    - No Memory Restrictions
    - To Phone Memory
    - To SIM Card Memory
    - To Phone & SIM Memory
- Last Ten Calls
  - Last Calls Made
  - Erase All Numbers
- My Phone Number(s)
- Fixed Dialing
  - View Fixed Dial List
    - Fixed Dial List
  - Setup Fixed Dialing
    - On/Off
    - Edit Entry —● Fixed Dial List
    - Add Entry
    - Erase Entry
- One-Touch Dial Settings
  - To Phone Memory
  - To SIM Card Memory
  - To Fixed Dial List

## ***Organizing Your Phone Book***

Each name and phone number in your Phone Book is stored in a numbered memory location. The satellite phone has two types of memory—phone memory and SIM card memory.

	<b>Phone Memory</b>	<b>SIM Card Memory<sup>1</sup></b>
Personal Numbers	100 entries	155 entries
Fixed Dial Numbers	No entries	40 entries
Phone Number Digits	32	20
Name Characters	16	16
Location Numbers	1-100	101-255

1 SIM card capacity varies depending upon the card issued by your service provider.

Your phone's memory can seem overwhelming if you do not have a strategy for organizing your Phone Book. Begin setting up your Phone Book by asking yourself three questions:

### ***Which numbers do I call most?***

Make a list of the numbers you call most frequently. You will probably want to store these numbers in the first nine memory locations of your Phone Book. You can then dial them with a single keystroke by using One-Touch dialing.

## ***When do I use these numbers?***

Group the numbers on the list according to when you use them. Most people call a different set of numbers during the day than they do in the evening and on weekends. You can switch one-touch dialing to your phone's memory (locations 1–9), your SIM card's memory (locations 101–109), or to your fixed dial list (locations 1–9). Store your evening and weekend numbers on one type of memory and your daytime numbers on another.

## ***Which numbers do I need to keep secure?***

Use your SIM card to store the numbers you need to keep secure, like the numbers of friends and family members. Because your SIM card is the size of a credit card, you can easily keep it securely in your wallet when you are not using it. If you wish, you can even require a PIN code every time your SIM card is inserted into *any* phone. (To deactivate your PIN code, see “Activate and Deactivate the SIM Card PIN Code” on page 105.) Store more public numbers, like business associates and travel agents in your phone's memory.

**Tip:** *If you have many entries, group them in blocks of ten to make them easier to find.*

## Getting to Personal Numbers...

1. Press **MENU** until you see Phone Book, and then **press OK**.
2. Press **MENU** until you see Personal Numbers, and then **press OK**.
3. Press **MENU** to scroll to one of the features described below.

## Storing Names and Numbers

### Add an Entry

#### Use the Options Menu

1. **Follow the steps in** “Getting to Personal Numbers...” **to get to Add Entry, and then press OK**.
2. **Press MENU** to scroll to Add to Phone Memory or Add to SIM Memory.
3. **Press OK** to select. You will see Enter Number.
4. **Enter a number**, and then **press OK**. You will see Enter Name.
5. **Enter a name** (see “Entering Names” on page 56), and then **press OK**. You will see Enter Location.
6. **Enter a location number**, 1-100 for phone memory or 101-255 for SIM memory\*, and then **press OK**. You will see Stored XXX.  
**or**  
**Press OK** to select the next available location. You will see Stored XXX.
7. **Press and hold C** to exit the menu.

**Tip:** Numbers must be entered in international format.

\* SIM memory is dependent on your SIM card.

## **Use the Dedicated Keys**

- 1. Enter the phone number** you want to store.
- 2. Press ** to begin storing.
- 3. Press ** to scroll to the desired memory type Add to SIM Card Memory or Add to Phone Memory, and then **press **. You will see Enter Number, followed by the number you entered.
- 4. Press ** to accept the number. You will see Enter Name.
- 5. Enter a name** (see “Entering Names” on page 56), and then **press **. You will see Enter Location.
- 6. Enter a three-digit location number**, and then **press **. You will see Stored XXX.

or

**Press ** to store the entry in the next empty memory location. You will see Stored XXX.

**Tip:** If you have more than one number for the same person, try attaching a descriptive tag to the name, like Home, Office, or Mobile.

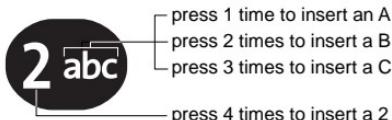
## **Adding Entry Messages**

When you enter the location number for your entry, you may see one of these messages:

<b>Message</b>	<b>Description</b>
Stored XXX	You have stored the entry.
Range XXX-XX	You have chosen a memory location outside the appropriate range. Enter a new number within the range listed on the display.
Overwrite?	You have chosen an occupied location. Press  to overwrite the location or press any other key to try another location.

# Entering Names

You can use the keypad to produce any letter in the alphabet. For example, press **2<sup>abc</sup>** to enter the letters A, B, or C, as shown:



## Enter Characters

**Tip:** Press and hold any numeric key to toggle between uppercase and lowercase characters.

1. **Enter a letter** by pressing a key as many times as necessary.
2. **Press** **◀\*** or **#▶** to advance the cursor.
3. **Repeat steps 1 and 2** as many times as necessary, and then **press** **OK**.

## Correct an Entry

To make a change:

1. **Press** **◀\*** or **#▶** to scroll to the character you want to delete.
2. **Press** **C** to delete one character at a time.  
**or**  
**Press and hold** **C** to clear the display.

## **Available Characters**

Use this chart as a guide for producing characters:

<b>1</b>	Space . 1 ? ! , @ _ & : " ( ) ' ï î % £ \$
	Space . 1 ? ! , @ _ & : " ( ) ' ï î % £ \$
<b>2abc</b>	A B C 2 Ä Å à á è ç a b c 2 ä å à á è ç
<b>3def</b>	D E F 3 Δ É è Φ d e f 3 Δ é è Φ
<b>4ghi</b>	G H I 4 Γ ì g h i 4 Γ ì
<b>5jkl</b>	J K L 5 Λ j k l 5 Λ
<b>6mno</b>	M N O 6 Ñ Õ ø ð Ω m n o 6 ñ õ ø ð Ω
<b>7pqrs</b>	P Q R S 7 Π Β Σ p q r s 7 Π Β Σ
<b>8tuv</b>	T U V 8 Θ Ü ù t u v 8 Θ ü ù
<b>9wxyz</b>	W X Y Z 9 Ξ Ψ w x y z 9 Ξ Ψ
<b>0+</b>	+ - 0 × * / = > < #
	+ - 0 × * / = > < #

The upper line for each key shows the uppercase characters. The lower line for each key shows the lowercase characters.

# Using Pauses in Numbers

**Tip:** You can store 32 characters in a phone memory location, or 20 characters in a SIM card memory location. A pause is equal to one character.

When you call automated systems, a recorded message prompts you for numbers such as PIN numbers and account numbers. You can store these numbers in the same memory location as the automated system's access number. Separate the numbers with "pauses"—special characters that tell your phone to wait a few seconds before sending additional numbers—and store the string in the same way you would other numbers.

## Enter Pauses in Numbers

1. **Enter the phone number** you use to access the automated system.
2. **Press and hold** . You will see a pause character () inserted into the number entry.
3. **Enter the next group of numbers.** For example, enter your PIN number. If the automated system requires a \* or #, enter those symbols, too.
4. **Repeat steps 2 to 3** as many times as necessary.
5. **To store the entry** follow the procedures in "Add an Entry" on page 54.

## Dial Numbers With Pauses

To dial a number with pauses:

1. **Recall the entry.** (See "Locating Entries" on page 60.)
2. **Press** **to place the call.**

The first pause in the number waits until the call is answered. When the automated system answers, your phone waits a few seconds and then automatically sends the next set of numbers, then the next, until all numbers are sent.

# **Using Phone Number Prefixes**

You can save time when you dial by storing the prefixes that you often use. This is sometimes called “postscripting.” Your satellite phone allows you to change or add to Phone Book entries without overwriting them.

Store a prefix in your Phone Book just as you would any other number. See “Storing Names and Numbers” on page 54.

## **Use a Stored Prefix**

To use a stored prefix:

- 1. Recall the prefix** from your Phone Book.  
(See “Locating Entries” on page 60.)
- 2. Add** the remaining numbers.
- 3. Press**  to place the call.

**Tip:** Try naming the prefix by area, like Downtown, Suburbs, or Germany.

## **Change Entry to a Similar Number**

To change an entry to a similar number:

- 1. Recall the number** from your Phone Book.  
(See “Locating Entries” on page 60.)
- 2. Press**  to delete the unwanted digits.
- 3. Enter** the replacement digits.
- 4. Press**  to place the call.

## Getting to Personal Numbers...

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** until you see Personal Numbers, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## Locating Entries

### Find an Entry by Name

Search your Phone Book by the first few letters of the entry.

**Note:** If you have restricted access to either SIM card or phone memory, those entries will not be available. For more information, see “Preventing Access to the Phone Book” on page 64.

1. **Follow the steps in** “Getting to Personal Numbers...” to get to Find Entry By Name, and then **press OK** to select. You will see Enter Name.
2. **Enter one to three characters** of the entry, and then **press OK**. If necessary, scroll to the entry you are looking for.
3. **Press OK** to access options for that entry, and then proceed to “Calling, Modifying, or Erasing an Entry” on page 62.

**Tip:** Your phone sorts SIM card memory and phone memory together alphabetically

## ***Find an Entry by Location***

If you know the location number of the entry, here is an easy way to recall it.

### ***Use the Options Menu***

- 1. Follow the steps in** “Getting to Personal Numbers...” to get to Find Entry By Location, and then **press  OK** to select. You will see Enter Location.
- 2. Enter the location number**, and then **press  OK**. You will see the entry displayed.

If you enter an empty location number, you will see Location XXX is Empty. Your phone then selects the next largest available location. If there are no numbers stored, you will see No Numbers Stored.

- 3. Press  OK** to access options for that entry, and then proceed to “Calling, Modifying, or Erasing an Entry” on page 62.

### ***Use the Dedicated Keys***

- 1. Press  MR**.
- 2. Enter the three-digit location number** of the entry, and then **press  OK**.

If you enter an empty location number, you will see Location XXX is Empty. Your phone then selects the next largest available location. If there are no numbers stored, you will see No Numbers Stored.

- 3. Press  OK** to call the displayed entry. You will see the number followed by Calling.

# **Calling, Modifying, or Erasing an Entry**

Once you have selected a Phone Book entry, you can call, change, or erase that entry.

## **Call a Selected Entry**

- 1. Find an entry**, and then **press **. See “Locating Entries” on page 60.
- 2. Press ** until you see Call Number, and then **press **. You will see Calling followed by the number you dialed.

## **Modify a Name or Number**

**Tip:** For help entering letters or changing entries, see “Entering Names” on page 56.

- 1. Find an entry**, and then **press **. See “Locating Entries” on page 60.
- 2. Press ** until you see Modify Name or Number, and then **press **. You will see Edit Number, followed by the phone number stored in that entry.
- 3. Enter changes** to the number, and then **press **. You will see the name stored in that entry.
- 4. Enter changes** to the name, and then **press **. You will see Modified XXX.

## **Erase a Name and Number**

- 1. Find an entry**, and then **press **. See “Locating Entries” on page 60.
- 2. Press ** until you see Erase Name and Number, and then **press **. You will see Erased xxx.

## Getting to Personal Numbers...

1. Press  **MENU** until you see Phone Book, and then **press OK**.
2. Press  **MENU** until you see Personal Numbers, and then **press OK**.
3. Press  **MENU** to scroll to one of the features described below.

### **Checking Phone Book Capacity**

Use this feature to see how many available memory locations you have in either SIM card memory or phone memory.

1. **Follow the steps in** “Getting to Personal Numbers...” **to get to Check Capacity, and then press OK to select.**
2. **Press**  **MENU** **until you see Check Phone Capacity or Check SIM Capacity, and then press OK.** You will see XXX Unused Locations.
3. **Press and hold C** to exit the menu.

## Getting to Personal Numbers...

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** until you see Personal Numbers, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## Preventing Access to the Phone Book

You may want to restrict memory access when loaning your phone to others. You can choose to prevent access to the phone memory, SIM memory, or both.

1. **Follow the steps in** “Getting to Personal Numbers...” **to get to Prevent Access**, and then **press OK** to select.
2. **Press MENU** until you see the restriction type you desire: No Memory Restrictions, To SIM Card Memory, To Phone Memory, or To Phone & SIM Memory.
3. **Press OK** to select the displayed option. You will see Enter Security Code.
4. **Enter security code.** Enter your six-digit security code. You will see Completed.
5. **Press and hold C** to exit the menu.

**Tip:** The factory default security code is: 000000.

### Notes:

- If you prevent access to both your phone memory **and** SIM memory and then try to access an entry, you will see Restricted.
- If you restrict access to either your phone memory **or** SIM memory and try to access an entry stored in that type of memory, you will see a list of the entries that are not restricted.

## Getting to Fixed Dialing...

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** until you see Fixed Dialing, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## Restricting Phone Use

With the fixed dialing feature, you can restrict calling on your phone to a list of numbers that you create. When this feature is active, you can only call numbers or use prefixes (for example, country codes or area codes) that exactly match those that are stored in your list. You can store up to 40 entries on your fixed dial list. These entries are stored on your SIM card.

### Activate Fixed Dialing

Use this option to activate fixed dialing.

**Note:** The fixed dialing feature restricts access to your SIM memory.

1. **Follow the steps in** “Getting to Fixed Dialing...” to get to **Setup Fixed Dialing**, and then **press OK** to select. You will see Enter PIN2
2. **Enter code.** Enter your SIM card PIN2 code, and then **press OK**.
3. **Press MENU** until you see On or Off, and then **press OK**. You will see Completed.
4. **Press and hold C** to exit the menu.

**Tip:** You should have received your SIM card PIN2 code from your service provider.

## Getting to Fixed Dialing...

1. Press  **MENU** until you see Phone Book, and then **press OK**.
2. Press  **MENU** until you see Fixed Dialing, and then **press OK**.
3. Press  **MENU** to scroll to one of the features described below.

### Add an Entry

To add an entry:

1. **Follow the steps in** “Getting to Fixed Dialing...” to get to **Setup Fixed Dialing**, and then **press OK** to select. You will see Enter PIN2.
2. **Enter code.** Enter your SIM card PIN2 code, and then **press OK**.
3. **Press MENU** until you see Add Entry, and then **press OK**. You will see Enter Number.
4. **Enter the number**, and then **press OK**. You will see Enter Name.
5. **Enter the name**, and then **press OK**. You will see Enter Location.
6. **Enter a location number**, and then **press OK**. You will see Completed.
7. **Press and hold C** to exit the menu.

**Tip:** *Phone numbers must be in international format.*

**Tip:** See “Entering Names” on page 56 for help entering letters.

## **Erase an Entry**

To erase an entry:

- 1. Follow the steps in** “Getting to Fixed Dialing...” to get to **Setup Fixed Dialing**, and then **press OK** to select. You will see Enter PIN2.
- 2. Enter code.** Enter your SIM card PIN2 code, and then **press OK**.
- 3. Press MENU** until you see **Erase Entry**, and then **press OK** to select. You will see the first entry in your fixed dial list.
- 4. Press MENU** to scroll to the number you wish to erase. You will see **Erase?.**
- 5. Press OK** to confirm. You will see **Completed**.
- 6. Press and hold C** to exit the menu.

## Getting to Fixed Dialing...

1. Press **MENU** until you see Phone Book, and then **press OK**.
2. Press **MENU** until you see Fixed Dialing, and then **press OK**.
3. Press **MENU** to scroll to one of the features described below.

### Edit an Entry

To edit an entry:

1. **Follow the steps in** “Getting to Fixed Dialing...” to get to **Setup Fixed Dialing**, and then **press OK** to select. You will see **Enter PIN2**.
2. **Enter code.** Enter your SIM card PIN2 code, and then **press OK**.
3. **Press MENU** until you see **Edit Entry**, and then **press OK** to select. You will see the first entry in your fixed dial list.
4. **Press MENU** to scroll to the entry you want to change, and then **press OK**. You will see the current number for that location.
5. **Enter changes** to the number, and then **press OK**. You will see the current name for that location.
6. **Enter changes** to the name, and then **press OK**. You will see the current location.
7. **Enter a new location**, and then **press OK**. You will see **Completed**.
8. **Press and hold C** to exit the menu.

## ***View Your Fixed Dialing List***

This feature enables you to review, but not change, your fixed dial list.

- 1. Follow the steps in “Getting to Fixed Dialing...” to get to View Fixed Dial List, and then press **OK** to select. You will see the first number on your fixed dial list.**
- 2. Press **MENU** to scroll through the numbers on your fixed dial list.**
- 3. Press and hold **C** to exit the menu.**

## Getting to Phone Book Features...

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### **Viewing the Last Ten Numbers Dialed**

Don't worry about forgetting the number you dialed earlier. The last ten numbers you dialed are saved.

1. **Follow the steps in** "Getting to Phone Book Features..." **to get to Last Ten Calls**, and then **press OK** to select.
2. **Press MENU** to scroll to Last Calls Made or Erase All Numbers, and then **press OK** to select.
3. If you select Last Calls Made, **press MENU** to scroll to the number you are looking for, and then **press OK** to place a call to that number.  
**or**  
If you select Erase All Numbers, you will see Completed.
4. **Press and hold C** to exit the menu.

**Tip:** If you want to add a number from Last Ten Calls to your Phone Book, press **M+** when the number is displayed, then follow the steps in "Storing Names and Numbers" on page 54.

# **Viewing and Modifying Your Phone Numbers**

## **View Your SIM Phone Number(s)**

You can program fax, data, and other types of phone numbers into your SIM card in addition to your voice phone number. Use this feature to view your phone number(s). You can have up to five phone numbers.

- 1. Follow the steps in** “Getting to Phone Book Features...” to get to **My Phone Number(s)**.
- 2. Press** **OK** to select. You will see your phone’s voice number followed by **Modify?**.
- 3. Press** **MENU** to scroll through your numbers.
- 4. Press and hold** **C** to exit the menu.

**Note:** If you do not see your number(s), they have not been programmed onto your SIM card. Contact your service provider for more information.

## **Modify Your Phone Numbers**

If you have recently switched your phone number, use this feature to quickly store recent information.

- 1. Complete the steps in** “View Your SIM Phone Number(s)” on page 71 to get to the number you want to modify.
- 2. Press** **OK** to modify the number. You will see **Edit Number** followed by the number for the selected entry.
- 3. Enter changes** to the number, and then **press** **OK**. You will see **Edit Name** followed by the name for the entry selected.
- 4. Enter changes** to the name (see “Entering Names” on page 56) and then **press** **OK**. You will see **Stored**.
- 5. Press and hold** **C** to exit the menu.

**Tip:** Pressing **MR** **#** also brings up your phone number.

## Getting to Phone Book Features...

1. Press **MENU** until you see Phone Book, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### One-Touch Dialing

One-touch dialing enables you to place calls instantly. You can choose to dial the phone numbers in the first nine memory locations in either your SIM memory, phone memory, or your fixed dial list. You choose which type of memory you want to be active with this feature.

#### Set Up One-Touch Dialing

1. Follow the steps in “Getting to Phone Book Features...” to get to One-Touch Dial Setting, and then press **OK** to select.
2. Press **MENU** to scroll through To Phone Memory, To SIM Card Memory, or To Fixed Dial List, and then press **OK** to select the displayed option. You will see Completed.
3. Press and hold **C** to exit the menu.

#### Use One-Touch Dialing

**Tip:** You do not need to press **OK** to call the number when you are using one-touch dialing.

Using one-touch dial is easy—just press and hold a keypad digit! To use one-touch dialing:

**Press and hold** the appropriate digit key.

For example, press and hold **2abc** to dial the number stored in location 2 of your phone memory, location 2 of your fixed dial list, or 102 of your SIM memory, depending on your setting.

# ***Using Calling Features***

---

This chapter describes call-related features. Many of these features are network features that you must subscribe to in order to access.

## ***What You Will Learn***

- showing the strength of the signal your phone is receiving
- activating/deactivating the Pending Call Drop signal
- forwarding calls when you are not available
- restricting use of your phone

## **Entering the Call Related Features Menu**

To enter the Call Related Features menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.  
**or**  
**Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.  
**or**  
**Press**  or  to scroll backward or forward through the submenu.

# **What's on the Call Related Features Menu?**

- Call Related Features**
  - Show Signal Strength
  - Pending Call Drop
    - On/Off
  - Call Forwarding<sup>1</sup>
    - Forward When Unavailable
      - On/Off
    - Forward All Calls
      - On/Off
    - Detailed Forwarding<sup>2</sup>
      - Forward Voice Calls
        - Forward All Voice Calls
          - On/Off
        - If Busy
          - On/Off
        - If No Answer
          - On/Off
        - If Not Reachable
          - On/Off
    - Cancel All Forwarding
  - Call Waiting<sup>1</sup>
  - Call Barring<sup>2</sup>
    - Bar Outgoing Calls
      - On/Off
    - Bar Incoming Calls
      - On/Off
    - Change Bar Password

1 This feature is network and subscription dependent.

2 This feature is network and subscription dependent. It is available only when the extended menu is activated.

## Getting to Call Forwarding...

1. Press **MENU** until you see Call Related Features, and then press **OK**.
2. Press **MENU** until you see Call Forwarding, and then **press OK**.
3. Press **MENU** to scroll to one of the features described below.

## Forward Calls When Unavailable

Use this feature when you can't answer a call. You must subscribe to this network feature through your service provider(s).

To activate this feature:

1. **Follow the steps in** "Getting to Call Forwarding..." **to get to Forward When Unavailable**, and then **press OK** to select.
2. **Press MENU** to scroll to On or Off, and then **press OK** to select.
  - If you select On, continue with **step 3**.
  - If you select Off, continue with **step 5**.
3. **Press MENU** to scroll to Voicemail or Other Number, and then **press OK** to select.
  - If you select Voicemail, continue with **step 5**.
  - If you select Other Number, then you will see Enter Number. Continue with **step 4**.
4. **Enter the number** you want calls forwarded to, and then **press OK**. Your phone takes a moment to request the setting from the network, and then you will see Call Forward On.
5. **Press and hold C** to exit the menu.

**Tip:** If you have not yet stored a voicemail number, go to page 91 to learn how.

## **Forward All Your Calls**

When you select this option, all your calls are forwarded to the number you choose. Your phone does not ring. You must subscribe to this network feature through your service provider(s).

To activate this feature:

- 1. Follow the steps in** “Getting to Call Forwarding...” **to get to Forward All Calls,** and then **press ** to select.
- 2. Press ** to scroll to either On or Off, and then **press ** to select.
  - If you select On, continue with **step 3.**
  - If you select Off, continue with **step 5.**
- 3. Press ** to scroll to Voicemail or Other Number, and then **press ** to select.
  - If you select Voicemail, continue with **step 5.**
  - If you select Other Number, then you will see Enter Number. Continue with **step 4.**
- 4. Enter the number** you want all your calls forwarded to, and then **press **.
- Your phone takes a moment to request the setting from the network, and then you will see Call Forward On.
- 5. Press and hold ** to exit the menu.

**Tip:** If you have not yet stored a voicemail number, go to page 91 to learn how.

## Getting to Call Forwarding...

1. Press **menu** until you see Call Related Features, and then press **OK**.
2. Press **menu** until you see Call Forwarding, and then **press OK**.
3. Press **menu** to scroll to one of the features described below..

## Detailed Call Forwarding

Detailed Call Forwarding lets you select the specific situations when you want your calls forwarded. The settings you select in Forward When Unavailable and Forward All Calls override the settings you select here.

**Tip:** For information on retrieving messages, see "Accessing Messages" on page 94.

You must subscribe to this network feature through your service provider(s).

**Note:** This feature is available only when the extended menus are activated. See "Activating Extended Menus" on page 109 for more information.

1. **Follow the steps in** "Getting to Call Forwarding..." **to get to Detailed Forwarding**, and then **press OK** to select.
2. **Press menu** to scroll to **Forward Voice Calls**, then **press OK** to select.
3. **Press menu** to scroll to the option you desire **Forward All Voice Calls, If Busy, If No Answer, or If Not Reachable**.
4. **Press OK** to select the displayed option.
5. **Press menu** to scroll to either **VoiceMail or Other Number**, and then **press OK**.
  - If you select **VoiceMail**, continue with **step 7**.
  - If you select **Other Number**, then you will see **Enter Number**. Continue with **step 6**.

**Tip:** If you have not yet stored a voicemail number, go to page 91 to learn how.

6. **Enter the number** you want calls forwarded to, then **press **OK****. Your phone takes a moment to request the setting from the network, then displays Call Forward On.
7. **Press and hold **C**** to exit the menu.

## Getting to Call Forwarding...

1. Press **menu** until you see Call Related Features, and then press **OK**.
2. Press **menu** until you see Call Forwarding, and then **press OK**.
3. Press **menu** to scroll to one of the features described below.

### **Cancel All Forwarding**

Use this option to clear all Call Forwarding settings.

To cancel Call Forwarding settings:

1. **Follow the steps in** “Getting to Call Forwarding...” **to get to Cancel All Forwarding**, and then **press OK** to select.  
You will see Call Forward Off. All Call Forwarding settings are now set to Off.
2. **Press and hold C** to exit the menu.

## Getting to Call Related Features...

1. Press **menu** until you see Call Related Features, and then press **OK**.
2. Press **menu** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### **Showing Signal Strength**

Use this feature to check the strength of the signal that your phone is receiving from the Iridium satellite network.

1. **Follow the steps in** “Getting to Call Related Features...” to get to Show Signal Strength.
2. **Press OK** to select. You will see:



After a few seconds, if the phone is able to locate a signal, the signal strength indicator appears in the upper left corner of the display.



The signal strength meter remains on the display for several seconds. If the phone cannot locate a signal, you will see Weak Signal.

3. **Press and hold C** to exit the menu.

## Getting to Call Related Features...

1. Press **MENU** until you see Call Related Features, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### ***Deactivating Pending Call Drop Signal***

Under rare circumstances, due to system overcapacity or a satellite outage, a satellite may not be available to take your call. When this happens, your phone notifies you with a series of three consecutive tones and displays Pending Call Drop. The tones continue periodically until a new satellite moves into range or the call is dropped.

To deactivate the alert tones:

1. **Follow the steps in the “Getting to Call Related Features...” to get to Pending Call Drop, and then press **OK** to select.**
2. **Press **MENU** to scroll to either On or Off, and then press **OK** to select.**
3. **Press and hold **C** to exit the menu.**

## ***Activating Call Waiting***

Subscribers to call waiting can use this feature to decide whether or not to take incoming calls while on the line. To activate call waiting:

- 1. Follow the steps in** “Getting to Call Related Features...” to get to **Call Waiting**, and then **press ** to select.
- 2. Press  to scroll to On or Off, and then press ** to select the desired option.
- 3. Press and hold ** to exit the menu.

For information on using call waiting, see “Using Call Waiting” on page 39.

## Getting to Call Barring...

1. Press **menu** until you see Call Related Features, and then press **OK**.
2. Press **menu** until you see Call Barring, and then **press OK**.
3. Press **menu** to scroll to one of the features described below. You will see the feature name, followed by Select?.

## Restricting Calls with Call Barring

You can use call barring to restrict both incoming and outgoing calls. Call barring is useful if you are loaning your phone to others or when you wish to control incoming calls. When you change one of your call barring settings, your phone takes a few seconds to request the setting from the network.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 109 for more information.

### Bar Outgoing Calls

This setting enables you to receive incoming calls but prevents outgoing calls.

To activate this feature:

1. **Follow the steps in** “Getting to Call Barring...” to get to Bar Outgoing Calls, and then **press OK** to select.
2. **Press menu** to scroll to On or Off, and then **press OK** to select.  
You will see Enter Password.
3. **Enter your bar password**, and then **press OK**. You will see Completed.
4. **Press and hold C** to exit the menu.

**Tip:** Your service provider gives you a bar password.

## **Bar Incoming Calls**

This setting allows you to place calls, but refuses incoming calls. Callers hear a recording telling them you are unavailable. To be sure not to miss a call see “Detailed Call Forwarding” on page 78.

To activate this feature:

- 1. Follow the steps in** “Getting to Call Barring...” to get to Bar Incoming Calls, and then **press OK** to select.
- 2. Press**  **to scroll to On or Off, and then press OK to select.**

You will see Enter Password.

- 3. Enter your bar password**, and then **press OK**. You will see Completed.
- 4. Press and hold C** to exit the menu.

**Tip:** Your service provider gives you a bar password.

## Getting to Call Barring...

1. Press **menu** until you see Call Related Features, and then press **OK**.
2. Press **menu** until you see Call Barring, and then **press OK**.
3. Press **menu** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Change Bar Password

When you subscribe to call barring, your service provider gives you a four-digit bar password. Use this feature to change it to something easy to remember.

1. **Follow the steps in** "Getting to Call Barring..." to get to Change Bar Password, and then **press OK** to select. You will see Enter Password.
2. **Enter bar password**, and then **press OK**. You will see Enter New Password.
3. **Enter the new bar password**, and then **press OK**.
4. **Enter the new bar password** again to confirm, and then **press OK**.
5. **Press and hold C** to exit the menu.

**Tip:** If you are changing the password for the first time, use the password supplied by your service provider.

# ***Using Message Services***

---

Did you know that you can receive voicemail and fax notification messages and numeric and text messages through your Personal Mailbox service—wherever in the world you may be? Wherever you are, you will have instant reference to all your communication.

## ***What You Will Learn***

- checking your voicemail messages
- reading, saving and deleting messages

## **Entering the Messages Menu**

To enter the Messages menu:

1. Press **✉** to access the Messages submenu directly, and then go on to **step 4**.

**or**

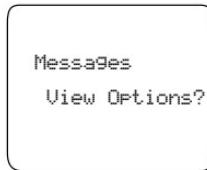
**Press **MENU**** to open the Options menu and then go on to **step 2**.

2. Press **MENU** to scroll forward.

**or**

**Press **◀** or **▶**** to scroll backward or forward.

3. Press **OK** when you see:



4. Press **MENU** to scroll through the submenu.

**or**

**Press **◀** or **▶**** to scroll backward or forward through the submenu.

## ***What's on the Messages menu?***



## Getting to Message Features...

1. Press  **MENU** until you see **Messages**, and then press **OK**.
2. Press  **MENU** to scroll to one of the features described below. You will see the feature name, followed by **Select?**.

### **Checking Your Voicemail**

**Important:** This feature makes checking your voicemail simple.

1. **Follow the steps in** “Getting to Message Features...” **to get to Call Voicemail.**
2. **Press OK** to select. You will see your voicemail number followed by **Calling**.

If you have not previously stored a voicemail number, then you will see **No Number Available**. See “Storing Your Voicemail Number” on page 91 for instructions on how to enter a number.

# **Storing Your Voicemail Number**

To store a voicemail number:

- 1. Follow the steps in “Getting to Message Features...” to get to Message Settings, and then press **OK** to select.**
- 2. Press **OK** to select Voicemail Number. You will see Enter Voicemail Number followed by your current voicemail number. If this is the first time you have stored a number, continue with to **step 4**.**
- 3. Press **C** to clear one digit at a time, or press and hold **C** to erase the entire number.**
- 4. Enter the new number, and then press **OK**. You will see Completed.**
- 5. Press and hold **C** to exit the menu.**

**Tip:** Use pause dialing to store your voicemail access and PIN numbers together. See “Using Pauses in Numbers” on page 58.

# **Managing Your Messages**

## **How Your Phone Notifies You of Messages**

If your phone is powered on, it notifies you of received messages in the following ways:

- **An alert sounds.**
- Your phone beeps three times to inform you of an incoming message.
- **The  (message) indicator is displayed.**
- **The message is displayed immediately** if the message is a fax or voicemail notification message. The message remains on the display for several seconds.

**or**

**Message Read Now? is displayed** if the message is an alphanumeric, text message of up to 160 characters. For more information see “Read a New Message” on page 94.

## **How Messages Are Stored**

Your phone stores all messages on your SIM card. The total number of messages that you can store depends on your service provider.

If the message indicator is flashing, your SIM card is full. See “Delete Messages” on page 95 to make room for the new message.

## ***What Messages Contain***

You can receive short text or numeric messages in your Personal Mailbox. Text messages may contain up to 160 characters. Numeric messages—typically phone numbers—may contain up to 20 digits.

Your personal mailbox works along with Call Forwarding. For more information see “Personal Mailbox” on page 31, and the Call Forwarding feature descriptions on pages 76-80.

Messages contain multiple screens with the following information:

- the message
- the date and time the message was sent
- the phone number (if available) from which the message was sent

## Accessing Your Messages...

1. Press **MENU** until you see **Messages**, and then press **OK**.
2. Press **MENU** until you see **Received Messages**, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## Accessing Messages

### *Read a New Message*

#### **Notification Messages**

When you receive an incoming fax or voicemail notification message, it automatically scrolls across your screen. You can:

- **Press OK** to store it on your SIM card.
- **Press C** to delete it.

#### **Text Messages**

When you receive a new alphanumeric message, you will see **Message Read Now?** To read it:

1. **Press OK** and continue with **step 2**.  
**or**  
**Press C** to read the message later. See “Read a Stored Message” on page 95.
2. **Press MENU** to move forward through a message one screen at a time.
3. **Press OK** to access options for that entry, then proceed to page 96.

## **Read a Stored Message**

To read a stored message:

- 1. Follow the steps in** “Accessing Your Messages...” to enter the message center. If you have messages you will see the number of messages stored. If you do not have any messages, you will see No Messages.
- 2. Press**  **to move forward through a message one screen at a time.**
- 3. Press**  **to access options for that entry, and then proceed to page 96.**

**or**

**Press and hold**  **to exit the menu.**

## **Delete Messages**

Use this option to make room for new messages:

- 1. Follow the steps** in “Go to the Next Message” on page 96 until you see the message you want to delete, and then **press** .
- 2. Press**  **until you see Delete Message, and then press** .
- You will see Message Deleted.**
- 3. Press and hold**  **to exit the menu.**

## Accessing Your Messages...

1. Press  **MENU** until you see **Messages**, and then **press OK**.
2. Press  **MENU** until you see **Received Messages**, and then **press OK**.
3. Press  **MENU** to scroll to one of the features described below.

### Go to the Next Message

To go to the next message:

1. **Follow the steps** in “Read a Stored Message” on page 95.
2. **Press**  **MENU** until you see **Go To Next Message** and then **press OK**.  
You will see the next message. If you are at the end of your message list you will see the first message again.
3. **Press**  **MENU** to move forward through a message one screen at a time.
4. **Repeat steps 2 to 3** until you have read all your messages.
5. **Press and hold** **C** to exit the menu.

### Return a Call

A callback number appears in quotes within the message. If one is enclosed, you can instantly place a call to that number. If one is not included, your phone selects the first number in the message.

1. **Follow the steps** in “Go to the Next Message” on page 96 to display the desired message, and then **press OK**.
2. **Press**  **MENU** until you see **Return Call**.
3. **Press** **OK** to place a call to that number. You will see the number followed by **Calling**.

# ***Customizing Phone Features***

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Once you are comfortable with the basic features of your new phone, use this chapter to set up your phone the way you like it.

## ***What You Will Learn***

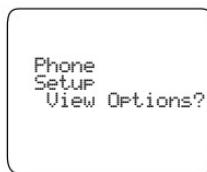
- adjusting your phone's ringer volume
- choosing from ten different ringer styles
- choosing your phone's keypad tones
- locking and unlocking your phone
- changing and setting codes for security
- resetting or clearing your phone's settings
- selecting the language displayed by your phone

## **Entering the Phone Setup Menu**

To enter the Phone Setup menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.

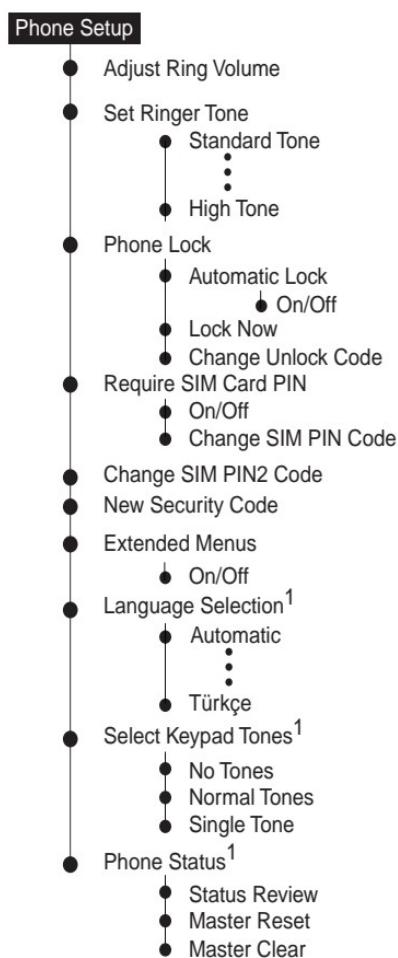
**or**
- Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.

**or**
- Press**  or  to scroll backward or forward through the submenu.

# ***What's on the Phone Setup Menu?***



<sup>1</sup> This feature is available only when the extended menu is activated.

## Getting to Phone Setup...

1. Press  **MENU** until you see Phone Setup, and then press **OK**.
2. Press  **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Adjusting the Ringer Volume

Use this feature to adjust the volume of the ringer. The phone sounds the new volume level as you adjust it.

1. **Follow the steps in** "Getting to Phone Setup..." **to get to Adjust Ring Volume**, and then press **OK** to select.
2. **Increase the volume** by pressing the upper volume key.  
**or**  
**Decrease the volume** by pressing the lower volume key.
3. **Press and hold** **C** to exit the menu.

**Tip:** You can also press **↑**, and then the up or down volume key.

## ***Setting the Ringer Tone***

Select your favorite tone from 10 different options.

- 1. Follow the steps in “Getting to Phone Setup...” to get to Set Ringer Tone, and then press **OK** to select.**
- 2. Press  **MENU** to scroll through the following options:**
  - Standard Tone
  - Single Ring Tone
  - British Tone
  - French Tone
  - German Tone
  - Bravo Tone
  - Three Ring Tone
  - Siren Tone
  - Quick Tone
  - High Tone

You will hear a one-ring-cycle demonstration.

- 3. Press **OK** to select the desired option.**
- 4. Press and hold **C** to exit the menu.**

## Getting to Phone Setup...

1. Press  **MENU** until you see Phone Setup, and then **press OK**.
2. Press  **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Setting the Keypad Tones

Choose the sounds your phone makes when its keys are pressed.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 109 for more information.

1. **Follow the steps in** “Getting to Phone Setup...” to get to Select Keypad Tones, and then **press OK** to select.
2. **Press**  **MENU** to choose Normal Tones, Single Tone, or No Tones, and then **press OK**.
3. **Press and hold** **C** to exit the menu.

## Getting to Phone Lock...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** until you see Phone Lock, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## ***Locking and Unlocking Your Phone***

These features can help you prevent unwanted use of your phone.

### ***Lock the Phone Automatically***

Use this feature to set your phone to lock itself every time it is powered on.

1. **Follow the steps in** “Getting to Phone Lock...” to get to Automatic Lock, and then **press OK** to select.
2. **Press** **MENU** to choose On or Off, and then **press OK** to select. You will see Completed.
3. **Press and hold** **C** to exit the menu.

### ***Lock the Phone Instantly***

Use this feature to lock your phone immediately.

1. **Follow the steps in** “Getting to Phone Lock...” to get to Lock Now.
2. **Press** **OK** to select. You will see: Locked.

**Note:** Once you unlock your phone, it remains unlocked until you lock it again.

## Getting to Phone Lock...

1. Press **MENU** until you see Phone Setup, and then **press OK**.
2. Press **MENU** until you see Phone Lock, and then **press OK**.
3. Press **MENU** to scroll to one of the features described below.

### Unlock the Phone

**Tip:** The factory default unlock code is 1234.

1. **Enter unlock code.** Enter your four-digit phone unlock code.
2. **Press OK.**

### Change the Unlock Code

The unlock code is originally set to 1234. You should change it as soon as possible.

**Tip:** The factory default security code is 000000.

1. **Follow the steps in** “Getting to Phone Lock...” **to get to Change Unlock Code,** and then **press OK** **to select.** You will see **Enter Security Code.**
2. **Enter security code.** Enter your six-digit security code. You will see your current lock code and **Enter Phone Unlock Code.**
3. **Press C** **to clear one digit at a time, or press and hold C** **to clear all the digits.**
4. **Enter new code.** Enter a new four-digit unlock code, and then **press OK**. You will see **Phone Lock** and the new lock code.
5. **Press and hold C** **to exit the menu.**

## Getting to Require SIM Card PIN...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** until you see Require SIM Card PIN, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by View Options?.

## Protecting the SIM Card

You can use a Personal Identification Number (PIN) code to protect the information stored on your SIM card even when it is inserted into someone else's phone.

### Activate and Deactivate the SIM Card PIN Code

When you activate the SIM card PIN code, your phone requests the code whenever the phone is powered on. To change this setting, you need to enter the PIN code that your service provider gave you.

1. **Follow the steps in** "Getting to Require SIM Card PIN...".
2. **Press MENU** to scroll to On or Off, and then press **OK**. You will see Enter PIN.
3. **Enter PIN code.** Enter the four- to eight-digit PIN code your service provider gave you, and then press **OK**. You will see Completed.
4. **Press and hold C** to exit the menu.

## Getting to Require SIM Card PIN...

1. Press **MENU** until you see Phone Setup, and then **press OK**.
2. Press **MENU** until you see Require SIM Card PIN, and then **press OK**.
3. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by View Options?.

### Change the SIM Card PIN Code

To choose your own PIN code:

1. **Follow the steps in** "Getting to Require SIM Card PIN..." to get to Change SIM Card PIN, and then **press OK** to select. You will see Enter Old PIN.
2. **Enter the current PIN code**, and then **press OK**. You will see Enter New PIN.
3. **Enter a new PIN code**, and then **press OK**. You will see Repeat New PIN.
4. **Re-enter the new PIN code**, and then **press OK** again. You will see Completed.
5. **Press and hold C** to exit the menu.

**Tip:** The message Blocked indicates that an incorrect PIN code was entered. The message ! Blocked indicates that an incorrect PIN2 code was entered.

### Unblock the PIN Code

If your PIN code is entered incorrectly three times in a row, Blocked appears in the display. You need to enter a PIN unblocking key (PUK1), which you can obtain from your service provider.

1. **Press  $\langle\ast$   $\langle\ast$  0+ 5 $\langle\ast$   $\langle\ast$** .
2. **Enter unblocking key.** Enter the eight-digit PUK1 unblocking key, and then **press OK**. Your service provider supplies this code.
3. **Enter a new PIN code**, and then **press OK**.
4. **Re-enter the new PIN code**, and then **press OK**.

## Getting to Phone Setup...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

## Managing Other Security Settings

Your phone includes other security features:

- a SIM card PIN2 code for accessing Fixed Dialing settings and other subscription-dependent features
- a security code controls access to security and other menu options

### Change the SIM PIN2 Code

Your SIM card PIN2 code is used to access Fixed Dialing settings. This four- to eight-digit code is issued to you when you subscribe to the feature. Use this feature to choose a new code.

1. **Follow the steps in** “Getting to Phone Setup...” to get to Change SIM Card PIN2 Code, and then **press OK** to select. You will see Enter Old PIN2.
2. **Enter the current PIN2 code**, and then **press OK**. You will see Enter New PIN2.
3. **Enter new PIN2 code**, and then **press OK**. You will see Repeat New PIN.
4. **Re-enter the new PIN2 code**, and then **press OK** again. You will see Completed.
5. **Press and hold C** to exit the menu.

## Getting to Phone Setup...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

**Tip:** The message Blocked indicates that an incorrect PIN code was entered. The message ! Blocked indicates that an incorrect PIN2 code was entered.

### Unblock the PIN2 Code

If your PIN2 code is entered incorrectly three times in a row, ! Blocked appears in the display. You need to enter a PIN2 unblocking key (PUK2), which you can obtain from your service provider.

1. Press **\* \* 0+ 5 jkl 2 abc 4\***.
2. **Enter unblocking key.** Enter the eight-digit PUK2 unblocking key, and then press **OK**. Your service provider supplies this code.
3. **Enter a new PIN2 code**, and then press **OK**.
4. **Re-enter the new PIN2 code**, and then press **OK**.

### Change the Security Code

The security code is your phone's primary security number. You use it to reset your phone to its default settings and prevent access to your phone book. It is originally set to 000000.

1. **Follow the steps in "Getting to Phone Setup..."** to get to New Security Code, and then press **OK** to select. You will see Enter Security Code.
2. **Enter the current security code**, and then press **OK**. You will see Enter New Security Code.
3. **Enter a new security code**, and then press **OK**. You will see Secur. Code and the six-digit number selected.
4. **Press and hold C** to exit the menu.

## ***Activating Extended Menus***

This feature activates and deactivates the extended menus. See page 138 to learn how extended menus can make your phone even simpler to use.

- 1. Follow the steps in “Getting to Phone Setup...” to get to Extended Menus, and then press **OK** to select.**
- 2. Press **MENU** to choose On or Off, and then press **OK**.**
- 3. Press and hold **C** to exit the menu.**

Press and hold **MENU** to activate the extended menus temporarily. This shortcut displays all extended menus features until you exit the Options menu.

## Getting to Phone Setup...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?.

### Selecting the Display Language

Use this feature to select the language in which your phone displays messages.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 109 for more information.

1. Follow the steps in “Getting to Phone Setup...” to get to Language Selection, and then press **OK** to select.
2. Press **MENU** to scroll through the choices, and then press **OK** to select the displayed option.
3. Press and hold **C** to exit the menu.

If you accidentally change the language of your phone’s display message, press **MENU** **2abc** **6mino** **OK** to return to the language selection menu.

## Getting to Phone Status...

1. Press **MENU** until you see Phone Setup, and then press **OK**.
2. Press **MENU** until you see Phone Status, and then press **OK**.
3. Press **MENU** to scroll to one of the features described below.

## ***Review the Phone's Settings***

View all your phone's settings that have changed from their defaults, and reset them to their original settings if you like.

Use this feature to review but not change your phone's settings.

1. **Follow the steps in** "Getting to Phone Status..." **to get to Status Review, and then press OK.**
2. **Press MENU** to scroll through the list of all the menu items you have changed.
3. **Press and hold C** to exit the menu.

## Getting to Phone Status...

1. Press  **MENU** until you see Phone Setup, and then **press OK**.
2. Press  **MENU** until you see Phone Status, and then **press OK**.
3. Press  **MENU** to scroll to one of the features described below.

## Reset Options to Factory Defaults

Use the master reset option to reset all settings to their original default settings. The master reset option:

- resets audible call timers, the in-call timer, and the automatic lock
- resets extended menus to default setting
- restores keypad tones to normal, ringer tone to standard, and the volume level to the middle (fourth bar) of its range

To reset all settings:

1. **Follow the steps in** “Getting to Phone Status...” **to get to Master Reset, and then press OK** to select. You will see Enter Security Code.
2. **Enter your six-digit security code.** You will see Reset Complete.
3. **Press and hold C** to exit the menu.

**Tip:** The factory default security code is 000000.

## **Clear All Stored Information**

The Master Clear option resets the same items as Master Reset, plus the following:

- clear phone book entries from phone memory (not from SIM memory)
- clear last calls made list
- reset resettable call timers

Master Clear does not clear the:

- fixed dial list
- my number(s) list
- received messages list

To clear the settings:

1. **Follow the steps** in “Getting to Phone Status...” to get to Master Clear, and then **press **OK**** to select. You will see Enter Security Code.
2. **Enter your six-digit security code.** You will see Reset Complete.
3. **Press and hold **C**** to exit the menu.

**Tip:** The factory default security code is 000000.



## ***Accessing the Network***

---

This section shows you how to register with the Iridium® satellite network.

## **Entering the Network Selection Menu**

To enter the Network Selection menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.  
**or**  
**Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.  
**or**  
**Press**  or  to scroll backward or forward through the submenu.

## ***What's on the Network Selection Menu?***

Network Selection

- Register Now

## Getting to Network Selection...

1. Press **menu** until you see Network Selection, and then press **OK**.
2. Press **menu** to scroll to one of the features described below. You will see the feature name, followed by Select?.

## Registering With the Satellite Network

Your phone searches for the Iridium satellite network.

1. **Follow the steps in** “Getting to Network Selection...” to get to Register Now.
2. **Press OK** to select. You will see Registering.... This may take a few seconds.

If the phone finds the signal, you will see Registered and the signal strength indicator:



The  (home system) indicator also appears.

If the phone is unsuccessful you may see one of these messages: System Busy, Restricted Area, or Weak Signal.

**Note:** You must wait three minutes between registration attempts.

# ***Timing Your Calls***

---

Your phone's call meters give you a variety of options for tracking the time you spend on the phone. You can monitor the length of individual calls, set a timer to track monthly usage, or have the phone alert you with tones at specific intervals.

## ***What You Will Learn***

- viewing your phone's call timers to monitor your airtime
- setting your phone's audible alerts to sound at intervals you specify
- activating an in-call display of the elapsed time of your current call
- checking the total airtime of your phone since it was manufactured

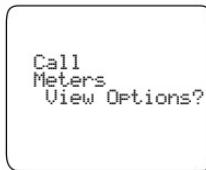
## **Entering the Call Meters Menu**

To enter the Call Meters menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.

or

**Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.

or

**Press**  or  to scroll backward or forward through the submenu.

## ***What's on the Call Meters Menu?***

- Call Meters**
  - Show Call Timers
    - Show Last Call
    - Total For All Calls
    - Reset All Timers
  - Set Audible Call Timers
    - Single Alert Timer
      - On/Off
    - Repetitive Timer
      - On/Off
  - Set In-Call Display
    - No In-Call Display
    - Show Time Per Call
  - Lifetime Timer<sup>1</sup>

1 This feature is available when the extended menu is active.

## Getting to Show Call Timers...

1. Press **menu** until you see Call Meters, and then press **ok**.
2. Press **menu** until you see Show Call Timers, and then press **ok**.
3. Press **menu** to scroll to one of the features described below.

### **Showing Call Timers**

This submenu helps you track your airtime. Keep a running tab of your monthly usage or view the airtime of your most recent call.

#### **Show the Time of the Last Call**

Use this feature to display the elapsed time of your most recent call.

1. **Follow the steps in** “Getting to Show Call Timers...” to get to Show Last Call, and then press **ok** to select.

You will see the airtime of the most recent call in hours, minutes, and seconds. After several seconds, the display returns to Show Last Call.

2. **Press and hold** **C** to exit the menu.

#### **Show Total Time for All Calls**

Use this feature to display your total airtime since you last reset the Call Timer.

1. **Follow the steps in** “Getting to Show Call Timers...” to get to Total For All Calls, and then press **ok** to select.

You will see the airtime accumulated since the timer was last reset. The airtime is displayed in hours, minutes, and seconds. After several seconds, the display returns to Total For All Calls.

2. **Press and hold** **C** to exit the menu.

## **Reset All Timers**

Reset your timers at the beginning of each billing cycle to keep track of your spending.

- 1. Follow the steps in “Getting to Show Call Timers...” to get to Reset All Timers, and then press **OK** to select.**

You will see Completed. The display then returns to Reset All Timers.

- 2. Press and hold **C** to exit the menu.**

**Note:** This does not reset the Lifetime Timer described on page 127.

## Getting to Audible Call Timers...

1. Press **menu** until you see Call Meters, and then **press ok**.
2. Press **menu** until you see Set Audible Call Timers, and then **press ok**.
3. Press **menu** to scroll to one of the features described below.

## Setting Audible Call Timers

Let your phone watch the clock for you. The call timers signal at a set time or interval with beeps only you can hear.

### **Set the Single Alert Timer**

Use this feature to set your phone to alert you after an elapsed time.

1. **Follow the steps in** "Getting to Audible Call Timers..." to get to Single Alert Timer, and then **press ok** to select.
2. **Press menu** to scroll to On or Off, and then **press ok** to select.
  - If you select On, you will see Enter Seconds. Continue with **step 3**.
  - If you select Off, you will see Completed. Continue with **step 4**.
3. **Press ok** to accept the current setting. You will see Seconds XXX.

**or**

**Enter a number** from 11 to 999, and then **press ok**. You will see Seconds XXX.
4. **Press and hold c** to exit the menu.

## ***Set the Repetitive Timer***

Use this feature to set your phone to alert you at specific intervals, for example every 45 seconds.

- 1. Follow the steps in “Getting to Audible Call Timers...” to get to Repetitive Timer, and then press **OK** to select.**
- 2. Press **MENU** to scroll to On or Off, then press **OK** to select.**
  - If you select On, you will see Enter Seconds. Continue with **step 3**.
  - If you select Off, you will see Completed. Continue with **step 4**.
- 3. Press **OK** to accept the current setting. You will see Seconds XXX.**

**or**

**Enter a number** from 11 to 999, and then **press OK**. You will see Seconds XXX.
- 4. Press and hold **C** to exit the menu.**

## Getting to Call Meters...

1. Press **MENU** until you see Call Meters, and then **press OK**.
2. Press **MENU** to scroll to one of the features described below.

### ***Showing the In-Call Timer***

Use this feature to display a running clock of the airtime elapsed while on a call.

1. **Follow the steps in** "Getting to Call Meters..." **to get to Set In-Call Display**, and then **press OK** **to select**.
2. **Press MENU** **to scroll to Show Time Per Call or No In-Call Display**, and then **press OK** **to select**.
3. **Press and hold C** **to exit the menu**.

## **Showing the Lifetime Timer**

Use this feature to show the total time of all calls for the life of your phone.

**Note:** This feature is available only when the extended menus are activated. See “Activating Extended Menus” on page 109 for more information.

- 1. Follow the steps in** “Getting to Call Meters...” **to get to Lifetime Timer**, and then **press**  **to select**.  
You will see the total airtime of your phone since it was manufactured.
- 2. Press and hold**  **to exit the menu.**

**Tip:** *The lifetime timer can not be reset. The Reset All Timers feature has no effect on this timer.*



# ***Setting Up Your Accessories***

---

This menu can make using your phone while driving a little easier. You can set your phone to answer automatically after two rings, set a timer to power the phone with the car, automatically mute the radio—even set your car's horn to beep to let you know you are receiving a call when you have stepped away from your car.

## ***What You Will Learn***

- muting your car radio automatically when you make or receive a call
- setting your phone to answer automatically after two rings
- powering down your phone at a set time after you turn your ignition off
- setting alerts to notify you of incoming calls when you are away from the car

## **Entering the Accessory Setup Menu**

To enter the Accessory Setup menu:

- 1.** **Press**  to open the Options menu.
- 2.** **Press**  to scroll forward.

or
- Press**  or  to scroll backward or forward.
- 3.** **Press**  when you see:



- 4.** **Press**  to scroll through the submenu.

or
- Press**  or  to scroll backward or forward through the submenu.

## ***What's on the Accessory Setup Menu?***

- Accessory Setup**
  - Mute Car Radio
    - On
    - Off
  - Automatic Answer
    - On
    - Off
  - Safety Timer
  - Auxiliary Alert
    - On
    - Off

## Getting to Accessory Setup...

1. Press **MENU** until you see Accessory Setup, and then press **OK**.
2. Press **MENU** to scroll to one of the features described below. You will see the feature name, followed by Select?

### **Mute Car Radio**

This feature automatically mutes your car radio when you make or receive a call.

**Note:** This feature works with your car radio's mute feature. The Mute Car Radio feature will not work if your radio does not have a mute feature.

1. **Follow the steps in** "Getting to Accessory Setup..." **to get to Mute Car Radio**, and then **press OK** to select.
2. **Press MENU** to scroll to On or Off, and then **press OK** to select.
3. **Press and hold C** to exit the menu.

## **Automatic Answer**

Your phone rings twice when a call is incoming, then the call is live.

- 1. Follow the steps in** “Getting to Accessory Setup...” to get to Automatic Answer, and then **press ** to select. You will see Completed.
- 2. Press ** to scroll to On or Off, and then **press ** to select.
- 3. Press and hold ** to exit the menu.

## Getting to Accessory Setup...

1. Press **menu** until you see Accessory Setup, and then press **OK**.
2. Press **menu** to scroll to one of the features described below. You will see the feature name, followed by Select?

### Safety Timer

**Tip:** This feature can be useful if you make frequent driving stops—save battery power when you stop longer than expected.

**Tip:** The safety timer is initially set to zero minutes, but you can choose any length of time between zero and 999 minutes.

Use this feature to keep your phone powered up for a set time after you turn your car's ignition off.

1. **Follow the steps in** "Getting to Accessory Setup..." to get to Safety Timer, and then **press OK** to select. You will see Enter Minutes.
2. **Enter the time** in minutes, then **press OK**.
3. **Press and hold C** to exit the menu.

#### Notes:

- When the safety timer is set to zero, the phone operates only in conjunction with your vehicle's ignition.
- The Auxiliary Alert feature does not work when the safety timer is set to zero. (See "Auxiliary Alert" on page 135.)

## **Auxiliary Alert**

If you don't want to miss calls when you step away from your car, activate this feature. Your car's horn beeps or lights flash to let you know a call is incoming.

- 1. Follow the steps in** "Getting to Accessory Setup..." **to get to Auxiliary Alert, and then press** **OK** **to select.**
- 2. Press and hold** **C** **to exit the menu.**

### **Notes:**

- Some local regulations prohibit the use of this feature. Check the laws in your area.
- The Auxiliary Alert feature is active only when the car's ignition is off.
- The Auxiliary Alert resets to off when the phone is turned off.
- The Auxiliary Alert feature does not work when the Safety Timer is set to zero. (See "Safety Timer" on page 134.)



# ***Customizing the Menu System***

---

Do you think your 9520 Mobile Phone has too many features for everyday use? You can do something about it by hiding the features you don't always need. Is your favorite feature not on the Quick Access menu? It's easy to change the defaults to your favorite features. By customizing your menus, your favorite features are always quick and easy to find! This chapter shows you how.

## ***What You Will Learn***

- personalizing the Options menu
- personalizing the Quick Access menu

# **Personalizing the Options Menu**

You can customize the Options menu by moving features in and out of the extended menu.

## **Move Menu Features**

To move menu features:

- 1. Find the feature** you want to move.
- 2. Press and hold **OK****. You will see one of two responses depending on where that menu feature is currently located. If you see:

Remove From Short Menus (the feature is in the short menu)	<b>Press <b>OK</b></b> to move the feature to the extended menu. You will see Menu Item Moved. <b>or</b> <b>Press <b>MENU</b></b> to scroll to Leave in Short Menus, and then <b>press <b>OK</b></b> to select. You will see Move Cancelled.
Add To Short Menus (the feature is in the extended menu)	<b>Press <b>OK</b></b> to move the feature to the short menu. You will see Menu Item Moved. <b>or</b> <b>Press <b>MENU</b></b> to scroll to Leave in Long Menus, and then <b>press <b>OK</b></b> to select. You will see Move Cancelled.

**Note:** Some features and submenus cannot be moved. You will see Cannot Move Menu Item.

## **Activate/Deactivate Extended Menus**

Use the Options menu to activate and deactivate extended menus. Activate them when you need access to every feature. Deactivate them for everyday use.

1. **Press**  until you see Phone Setup, and then **press**  to select.
2. **Press**  until you see Extended Menus, and then **press**  to select.
3. **Press**  to scroll to either On or Off, and then **press**  to select.

All hidden features are accessible when you activate the extended menus.

## **Access Hidden Features**

If you want to access a feature hidden in the extended menus, but don't want to leave the extended menus active, you can use this shortcut:

**Press and hold**  for a few seconds.

All extended menus features remain accessible until you exit the Options menu.

## **Personalizing the Quick Access Menu**

You can replace the default Quick Access menu features described on page 47 with any of the following features.

Icon	Quick Access Feature
	<b>Find by Location</b> recalls Phone Book entries by memory location numbers.
	<b>Add Entry to Phone</b> stores entered numbers in the next available phone memory location.
	<b>Add Entry to SIM</b> stores entered numbers in the next available SIM card location.
	<b>Switch Memory</b> switches One-Touch dialing between the phone and SIM memories depending on the current setting.
	<b>Last Call Timer</b> displays the duration of your last call.

To change a default quick access feature to one of the features listed above, you must choose the feature you want to replace and then choose the replacement.

- 1. Press and then press to scroll to the feature you wish to change.**
- 2. Press and hold to access the list of features available.**
- 3. Press to scroll through the list until you find the desired feature.**
- 4. Press to store the displayed feature in the new location.**

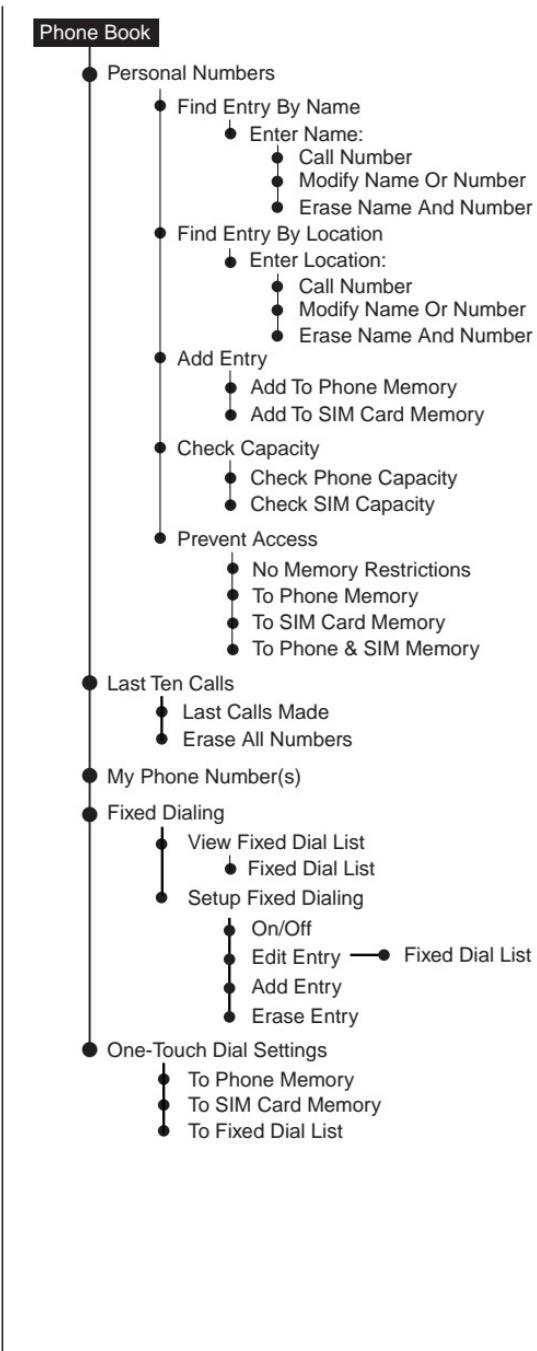
You will see **Completed**.

## ***Menu Quick Reference***

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This section provides a quick reference guide to menu structures and features.

# **Phone Book Menu**

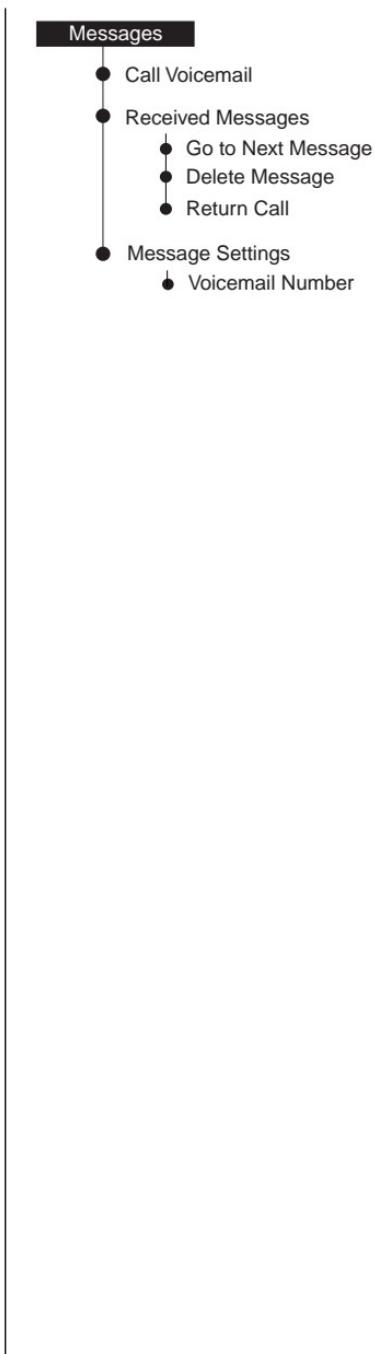


# ***Call Related Features Menu***

- Call Related Features
  - Show Signal Strength
  - Pending Call Drop
    - On/Off
  - Call Forwarding<sup>1</sup>
    - Forward When Unavailable
      - On/Off
    - Forward All Calls
      - On/Off
    - Detailed Forwarding<sup>2</sup>
      - Forward Voice Calls
        - Forward All Voice Calls
          - On/Off
        - If Busy
          - On/Off
        - If No Answer
          - On/Off
        - If Not Reachable
          - On/Off
    - Cancel All Forwarding
  - Call Waiting<sup>1</sup>
  - Call Barring<sup>2</sup>
    - Bar Outgoing Calls
      - On/Off
    - Bar Incoming Calls
      - On/Off
    - Change Bar Password

- 1 This feature is network and subscription dependent.
- 2 This feature is network and subscription dependent. It is available only when the extended menu is activated.

## **Messages Menu**



# **Phone Setup Menu**

- Phone Setup**
  - Adjust Ring Volume
  - Set Ringer Tone
    - Standard Tone
    - High Tone
  - Phone Lock
    - Automatic Lock
      - On/Off
    - Lock Now
    - Change Unlock Code
  - Require SIM Card PIN
    - On/Off
    - Change SIM PIN Code
  - Change SIM PIN2 Code
  - New Security Code
  - Extended Menus
    - On/Off
  - Language Selection<sup>1</sup>
    - Automatic
    - Türkçe
  - Select Keypad Tones<sup>1</sup>
    - No Tones
    - Normal Tones
    - Single Tone
  - Phone Status<sup>1</sup>
    - Status Review
    - Master Reset
    - Master Clear

<sup>1</sup> This feature is available only when the extended menu is activated.

## ***Network Selection Menu***



## ***Call Meters Menu***

- Call Meters**
  - Show Call Timers
    - Show Last Call
    - Total For All Calls
    - Reset All Timers
  - Set Audible Call Timers
    - Single Alert Timer
      - On/Off
    - Repetitive Timer
      - On/Off
  - Set In-Call Display
    - No In-Call Display
    - Show Time Per Call
  - Lifetime Timer<sup>1</sup>

1 This feature is available only when the extended menu is activated.

## **Accessory Setup Menu**

- Accessory Setup**
  - Mute Car Radio
    - On
    - Off
  - Automatic Answer
    - On
    - Off
  - Safety Timer
  - Auxiliary Alert
    - On
    - Off

# Troubleshooting

---

This chapter tells you what to do if you experience one of the following problems:

Problem	Solution
<b>You can't make calls.</b>	<ul style="list-style-type: none"><li>Check that the antenna is properly mounted. Do you have a clear view of the sky?</li><li>Did you enter the number in international format? All calls made from the Iridium satellite system must be in international format.</li><li>Check the signal strength meter. If the signal is weak, move the vehicle to a more open area.</li><li>Check the Network Selection settings.</li><li>Check your Operator coverage map.</li><li>Is Restricted displayed? Check the Call Barring setting.</li><li>Has a new SIM card been inserted? Check that no new restrictions have been imposed.</li></ul>
<b>You can't receive calls.</b>	<ul style="list-style-type: none"><li>Check to see that your phone is powered on.</li><li>Check the antenna. Is it properly mounted? Do you have a clear view of the sky?</li><li>Check the signal strength. If the signal is weak, move the vehicle to a more open area.</li><li>Check the Call Forwarding and Call Barring settings.</li><li>Check the Ringer setting. If it is off, there is no audible ringer.</li></ul>
<b>You can't make international calls.</b>	Have you included the relevant codes? Press and hold the <b>0+</b> key to display the international dialing prefix (+) and then enter the appropriate country code followed by the phone number.
<b>Your phone will not unlock.</b>	<ul style="list-style-type: none"><li>Have you inserted a new SIM card? Enter the new PIN code.</li><li>Do you have a replacement phone? Enter the default phone unlock code —1234.</li><li>Have you forgotten the unlock code? Press <b>MENU</b> to change the unlock code (you need your security code).</li></ul>
<b>Your PIN is blocked.</b>	Enter the PIN unblocking key (PUK1) or contact your service provider. See "Unblock the PIN Code" on page 106 for additional information.

Problem	Solution
<b>Your PIN2 is blocked.</b>	Enter the PIN2 unblocking key (PUK2) or contact your service provider. See “Unblock the PIN2 Code” on page 108 for additional information.
<b>Your SIM card will not work.</b>	<ul style="list-style-type: none"> <li>• Is the card inserted the correct way?</li> <li>• Is the gold chip visibly damaged or scratched? Return the card to your service provider.</li> <li>• Check the SIM and phone contacts. If they are dirty, clean them with an antistatic cloth.</li> </ul>
<b>You can't cancel Call Forwarding or Call Barring.</b>	Wait until you are in an area with good network coverage and try again.
<b>The  (message) indicator is flashing.</b>	There is not enough memory available to store another message. Use the Messages menu to delete one or more messages.
<b>You find your phone becoming warm during use.</b>	You may notice this during long calls or during charging. The heat is produced by the electronic components within your phone and is quite normal.
<b>Your SIM card is inserted in the phone but the display says:</b>	<ul style="list-style-type: none"> <li>• <b>Check Card or Insert Card.</b> Check that the SIM card has been inserted correctly. The contacts of the SIM card may be dirty. Turn the phone off, remove the SIM card and rub the gold chip on the card with a clean cloth. Replace the card in the phone.</li> <li>• <b>Blocked or  Blocked</b> Enter the PIN unblocking key (PUK1) or the PIN2 unblocking key (PUK2) respectively, or contact your service provider. See “Unblock the PIN Code” on page 106 and “Unblock the PIN2 Code” on page 108 for additional information.</li> <li>• <b>Bad Card See Supplier.</b> Please contact your service provider.</li> </ul>
<b>You find your phone's prompts in a language other than your own.</b>	<p><b>Press    .</b> This routes you directly to the language selection submenu. <b>Press </b> until you see your preferred language. <b>Press </b> to select.</p>

# Glossary

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## A

**airtime** The amount of time you spend using the satellite system. Especially, the time between successfully placing a call and terminating a call.

**antenna** The device attached to your phone by a cable that sends and receives satellite signals.

## D

**default** A feature's original setting as pre-programmed in the factory.

**DTMF** See Dual Tone Multi-Frequency tones.

### Dual Tone Multi-Frequency

**Tones** The tones that your phone transmits when you press a key on the keypad. These tones are used to access automated calling systems such as voicemail.

## E

**emergency call** This feature allows you to make an emergency call even if your phone is locked by dialing 112.

## F

**fringe area** The outermost range of a cellular system or the Iridium satellite system where signals are weak.

## I

**In-Call menu** The menu that appears when you press  during a call. It allows you to access features like call holding.

**Iridium system** A system of 66 satellites that offer global communication.

## L

**lock** Use this feature to prevent unauthorized access to your satellite telephone.

## M

**memory location** A space in the internal Phone Book (both phone memory and SIM memory) where you can store a telephone number and a name. Each phone memory location can hold up to 32 digits and 16 letters. The SIM card memory can hold up to 20 digits and 16 letters.

**menu feature** Any feature that can be accessed through the menu system.

**menu system** The hierarchical arrangement of your phone's features that allows for quick, intuitive access.

## N

**name directory** An alphabetical list of the names and telephone numbers you have stored into your phone's internal Phone Book.

## O

**one-touch dialing** To use this feature, press and hold a number on the keypad, 1 through 9<sub>wxyz</sub>, and your call is placed.

**Options menu** The top level of the menu system hierarchy, which contains the seven main feature menus: Phone Book, Call-Related Features, Messages, Phone Setup, Network Selection, Call Meters, Accessory Setup.

## P

**pause** A special character that tells your phone to “pause” or wait for your input before sending a group of numbers stored in memory.

**PIN code** Personal Identification Number code. A private numeric password that prevents unauthorized access to your SIM card.

**PIN2 code** A private numeric password that prevents unauthorized access to your SIM card's fixed dialing settings.

**prompt** A message requesting input.

## Q

**Quick Access menu** A set of features activated by pressing  and a digit key (1 to 9<sub>wxyz</sub>).

## S

**scroll** To move backward or forward through a list; for example: to move backward or forward through the menu system or the name directory.

**security code** A six-digit code used to access sensitive features.

**service provider** A company affiliated with a satellite carrier that provides satellite service to its customers.

**signal** The radio waves that carry information between your phone and the satellite system.

**submenu** A secondary level of your phone's menu system hierarchy.

## T

**talk-time** The amount of time that you spend talking on the phone.

**toggle** To switch between two possible options; for example: on versus off.

## U

**unlock code** A four-digit code used to unlock a locked phone.

## V

**volume keys** Located on the side of your phone, the upper and lower volume keys are used to adjust phone volume.

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# **Patent Information**

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Manufactured under one or more of the following U.S. patents:

4121218	4616314	4741034	D306594	5083304	D337332	D354062	D368696
4138681	4617520	4742562	4912602	D324024	5230007	5384825	5510693
4193036	D286778	D295627	4918732	D324388	5230093	D356084	5511235
4254382	4626309	4746242	4922178	5095503	5233633	5402447	D369162
4302845	4628529	D295973	4945570	D325028	5235492	5406146	5513078
4312074	4629829	D295975	4954796	D325583	5237257	5406562	D369359
4327319	4630304	4751737	4959851	5109536	5239127	D357224	5519303
4329666	4630305	D296187	4963812	D325915	5241545	D357457	5519346
4369516	4633141	4761621	4963843	5113436	5241548	5410741	5524276
4369522	4636593	4764737	4965537	5117450	5241650	D357680	5524278
4378603	4636741	D297734	4972355	5121047	5241693	D357681	D370463
4390963	D288432	D297735	4972432	5122480	5242767	5428836	5530922
D269873	4648125	4777564	4972455	5122722	D339582	D359734	5542116
4398265	4649543	Re.32768	4975808	D327061	5249302	D359735	5544250
4400584	D288683	D299136	4984290	5128834	5251331	D359959	D372481
4400585	4654655	4797929	D314173	D328302	D340710	5432017	5546275
D270835	D289156	4798975	D315330	5142551	5260988	D360632	5546380
D271491	4662691	4800348	D315346	5142696	5261119	5438684	D372896
Re.31470	4667333	4802236	D315543	5146620	5262710	D361070	5551078
4431977	4668917	4809356	D315559	5148471	5263052	5442680	5559471
4434461	4670747	4811377	D315565	5148473	5276707	5446763	D374424
4455534	4672502	4811404	5004992	5148961	5278994	5448763	D374872
4462098	4680787	4827226	D315907	5150359	D343173	5448771	5572193
D275951	4681476	4827507	5008925	5150384	5280637	5453997	5574976
4484153	4683585	4829274	D316417	5152006	D344087	D362840	5577268
4485486	4692726	4837534	D316859	5157693	5287553	5457744	D375732
4486624	4704588	D301476	5017856	5163159	5287555	5459640	D375733
D276809	D292578	4843621	5018188	5164652	5287556	5463646	D375734
4491972	4706036	4845772	5020091	5166596	D344511	5465412	D375932
D277667	D292920	D302015	5020092	5175759	5301365	5469177	D375952
4504834	4710724	4851966	5020093	5175874	5321847	5475752	D376127
D278708	4711361	4868576	5028083	D332261	D348880	D365094	5588041
4523155	4715063	4870686	5028859	5182749	5349588	D365817	5589796
4546329	4716319	D303656	5029044	D332785	5359696	5486843	5590177
4550426	4716391	4876552	5029233	5185566	5361400	5487184	5594778
4551696	4723305	4879533	5031028	5187809	5363071	5488335	5594951
4564821	D294257	D305427	5036532	5193223	5365549	5488649	D377792
D282169	4727306	4896124	5053924	5195106	D352497	D366872	D377934
4571595	4727583	4897873	5057762	5195108	5366826	5493198	5604050
4573017	4730195	D305717	D320780	5201069	D353131	5493714	5606730
4574243	4734635	4904549	5059885	5204977	D353361	5497126	D378366
4585957	4736277	4905288	5060294	5210793	5375143	5497382	5613229
4602218	4737976	4905301	D322783	5214675	5375258	D367640	5613863
D284759	4740794	D306293	D322955	5222104	5379324	5499394	5615233
D285439	4741018	D306441	5081674	5222251	D354055	5506490	5621763

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